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LOGINID:SSPTASXS1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV 26	MARPAT enhanced with FSORT command
NEWS	4	NOV 26	CHEMSAFE now available on STN Easy
NEWS	5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	6	DEC 01	ChemPort single article sales feature unavailable
NEWS	7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB 10	COMPENDEX reloaded and enhanced
NEWS	15	FEB 11	WTEXTILES reloaded and enhanced
NEWS	16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS	17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS EXPRESS	JUNE 27 08	CURRENTWINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 20:33:16 ON 19 FEB 2009

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 20:33:26 ON 19 FEB 2009

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STRUCTURE FILE UPDATES: 18 FEB 2009 HIGHEST RN 1108235-09-1

DICTIONARY FILE UPDATES: 18 FEB 2009 HIGHEST RN 1108235-09-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

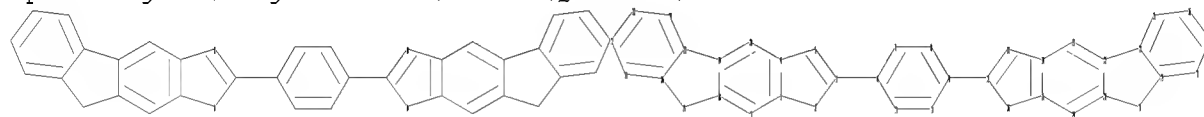
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10565414.str



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

chain bonds :

1-6 9-12

ring bonds :

1-2 1-5 2-3 3-4 3-17 4-5 4-20 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-16
13-14 14-15 14-21 15-16 15-24 17-18 18-19 18-25 19-20 19-27 21-22 22-23
22-28 23-24 23-30 25-26 26-27 26-31 27-34 28-29 28-35 29-30 29-38 31-32
32-33 33-34 35-36 36-37 37-38

exact/norm bonds :

1-2 1-5 2-3 4-5 12-13 12-16 13-14 15-16 18-25 19-27 22-28 23-30 25-26
29-30

exact bonds :

1-6 9-12

normalized bonds :

3-4 3-17 4-20 6-7 6-11 7-8 8-9 9-10 10-11 14-15 14-21 15-24 17-18
18-19 19-20 21-22 22-23 23-24 26-27 26-31 27-34 28-29 28-35 29-38 31-32
32-33 33-34 35-36 36-37 37-38

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:Atom

L1 STRUCTURE UPLOADED

=> s l1 sss full

FULL SEARCH INITIATED 20:33:45 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 203 TO ITERATE

100.0% PROCESSED 203 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

L2 2 SEA SSS FUL L1

=> file capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

186.10

FILE 'CAPLUS' ENTERED AT 20:33:47 ON 19 FEB 2009

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FILE COVERS 1907 - 19 Feb 2009 VOL 150 ISS 8

FILE LAST UPDATED: 18 Feb 2009 (20090218/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2

L3 1 L2

=> d l3 ibi

'IBI' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

```
ABS ----- GI and AB
ALL ----- BIB, AB, IND, RE
APPS ----- AI, PRAI
BIB ----- AN, plus Bibliographic Data and PI table (default)
CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data
CLASS ----- IPC, NCL, ECLA, FTERM
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
                SCAN must be entered on the same line as the DISPLAY,
                e.g., D SCAN or DISPLAY SCAN)
STD ----- BIB, CLASS

IABS ----- ABS, indented with text labels
IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
                containing hit terms
HITRN ----- HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
                its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
                structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
                its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
                structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side
OCC ----- Number of occurrence of hit term and field in which it occurs
```

To display a particular field or fields, enter the display field codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):ibib

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2006:656393 CAPLUS
 DOCUMENT NUMBER: 145:124546
 TITLE: Preparation of benzoxazole derivatives for the
 manufacture of ophthalmic lenses
 INVENTOR(S): Kauffman, Joeel; Litak, Peter T.; Rickwood, Martin
 PATENT ASSIGNEE(S): Essilor International (Compagnie Generale D'Optique),
 Fr.
 SOURCE: PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006069811	A2	20060706	WO 2005-EP14202	20051230
WO 2006069811	A3	20070104		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005321406	A1	20060706	AU 2005-321406	20051230
CA 2592585	A1	20060706	CA 2005-2592585	20051230
EP 1838682	A2	20071003	EP 2005-850391	20051230
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008526708	T	20080724	JP 2007-548773	20051230
US 20080064880	A1	20080313	US 2006-565414	20060123
PRIORITY APPLN. INFO.:			US 2004-640506P	P 20041230
			WO 2005-EP14202	W 20051230
OTHER SOURCE(S): CASREACT 145:124546; MARPAT 145:124546				
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

=> file regh
 'REGH' IS NOT A VALID FILE NAME
 SESSION CONTINUES IN FILE 'CAPLUS'
 Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
 that are available. If you have requested multiple files, you can
 specify a corrected file name or you can enter "IGNORE" to continue
 accessing the remaining file names entered.

	SINCE FILE	TOTAL
=> file reg		
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	3.75	189.85

FILE 'REGISTRY' ENTERED AT 20:36:37 ON 19 FEB 2009
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DICTIONARY FILE UPDATES: 18 FEB 2009 HIGHEST RN 1108235-09-1

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

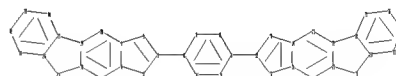
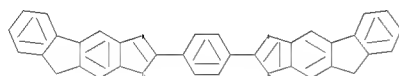
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=>

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ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

chain bonds :

1-6 9-12

ring bonds :

1-2 1-5 2-3 3-4 3-17 4-5 4-20 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-16
13-14 14-15 14-21 15-16 15-24 17-18 18-19 18-25 19-20 19-27 21-22 22-23
22-28 23-24 23-30 25-26 26-27 26-31 27-34 28-29 28-35 29-30 29-38 31-32
32-33 33-34 35-36 36-37 37-38

exact/norm bonds :

1-2 1-5 1-6 2-3 4-5 9-12 12-13 12-16 13-14 15-16 18-25 19-27 22-28
23-30 25-26 29-30

normalized bonds :

3-4 3-17 4-20 6-7 6-11 7-8 8-9 9-10 10-11 14-15 14-21 15-24 17-18
18-19 19-20 21-22 22-23 23-24 26-27 26-31 27-34 28-29 28-35 29-38 31-32
32-33 33-34 35-36 36-37 37-38

G1:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:Atom 33:Atom 34:Atom 35:Atom 36:Atom 37:Atom
38:Atom

L4 STRUCTURE UPLOADED

=> s l4 sss full

FULL SEARCH INITIATED 20:36:55 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 510 TO ITERATE

100.0% PROCESSED 510 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

L5 2 SEA SSS FUL L4

=> file capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

375.73

FILE 'CAPLUS' ENTERED AT 20:36:57 ON 19 FEB 2009

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FILE COVERS 1907 - 19 Feb 2009 VOL 150 ISS 8

FILE LAST UPDATED: 18 Feb 2009 (20090218/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 15
L6 1 L5

=> d 16 ibib

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:656393 CAPLUS
DOCUMENT NUMBER: 145:124546
TITLE: Preparation of benzoxazole derivatives for the
manufacture of ophthalmic lenses
INVENTOR(S): Kauffman, Joeel; Litak, Peter T.; Rickwood, Martin
PATENT ASSIGNEE(S): Essilor International (Compagnie Generale D'Optique),
Fr.
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006069811	A2	20060706	WO 2005-EP14202	20051230
WO 2006069811	A3	20070104		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2005321406	A1	20060706	AU 2005-321406	20051230
CA 2592585	A1	20060706	CA 2005-2592585	20051230
EP 1838682	A2	20071003	EP 2005-850391	20051230
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2008526708	T	20080724	JP 2007-548773	20051230
US 20080064880	A1	20080313	US 2006-565414	20060123
PRIORITY APPLN. INFO.:			US 2004-640506P	P 20041230
			WO 2005-EP14202	W 20051230
OTHER SOURCE(S):	CASREACT 145:124546; MARPAT 145:124546			
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY 1.75
TOTAL SESSION 377.48

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DICTIONARY FILE UPDATES: 18 FEB 2009 HIGHEST RN 1108235-09-1

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTASXS1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV 26	MARPAT enhanced with FSORT command
NEWS	4	NOV 26	CHEMSAFE now available on STN Easy
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NEWS	11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB 10	COMPENDEX reloaded and enhanced
NEWS	15	FEB 11	WTEXTILES reloaded and enhanced
NEWS	16	FEB 19	New patent-examiner citations in 300,000 CA/Caplus patent records provide insights into related prior art
NEWS	17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:22:50 ON 20 FEB 2009

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 15:23:00 ON 20 FEB 2009
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STRUCTURE FILE UPDATES: 19 FEB 2009 HIGHEST RN 1108793-37-8
DICTIONARY FILE UPDATES: 19 FEB 2009 HIGHEST RN 1108793-37-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

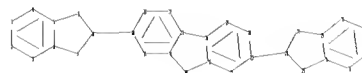
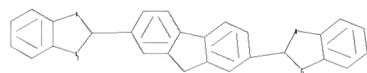
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\STNEXP\Queries\10565414b.str



```

ring nodes :
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23
24 25 26 27 28 29 30 31
chain bonds :
8-10  21-23
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9  10-11  10-15  11-12  12-13  13-14
13-16  14-15  14-18  16-17  16-19  17-18  17-22  19-20  20-21  21-22  23-24  23-27
24-25  25-26  25-28  26-27  26-31  28-29  29-30  30-31
exact/norm bonds :
5-7  6-9  7-8  8-9  8-10  13-16  14-18  17-18  21-23  23-24  23-27  24-25  26-27
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  10-11  10-15  11-12  12-13  13-14  14-15  16-17
16-19  17-22  19-20  20-21  21-22  25-26  25-28  26-31  28-29  29-30  30-31

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G1:O,S,N

Match level :

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1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom

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L1 STRUCTURE UPLOADED

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=> s l1 sss full
FULL SEARCH INITIATED 15:23:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3692 TO ITERATE

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100.0% PROCESSED 3692 ITERATIONS
SEARCH TIME: 00.00.01

14 ANSWERS

L2 14 SEA SSS FUL L1

=> file capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

185.88

186.10

FILE 'CAPLUS' ENTERED AT 15:23:20 ON 20 FEB 2009

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FILE COVERS 1907 - 20 Feb 2009 VOL 150 ISS 9

FILE LAST UPDATED: 19 Feb 2009 (20090219/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 12

L3 12 L2

=> d 13 1-12 ibib hitstr

L3 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:216611 CAPLUS

DOCUMENT NUMBER: 142:291340

TITLE: Formulations, conjugates, and combinations of drugs for the treatment of neoplasms

INVENTOR(S): Nichols, James M.; Foley, Michael A.; Keith, Curtis; Padval, Mahesh; Elliott, Peter

PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA

SOURCE: PCT Int. Appl., 92 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

DATE

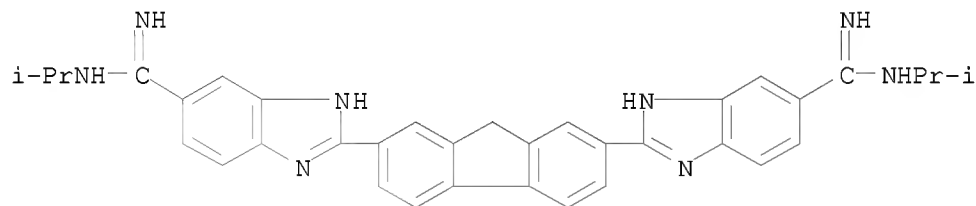
APPLICATION NO.

DATE

WO 2005020913 A2 20050310 WO 2004-US27695 20040825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

US 20050080075 A1 20050414 US 2004-925835 20040825
PRIORITY APPLN. INFO.: US 2003-497617P P 20030825
OTHER SOURCE(S): MARPAT 142:291340

IT 216503-09-2
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(formulations and conjugates and combinations of drugs such as
phenothiazines for treatment of neoplasms)
RN 216503-09-2 CAPLUS
CN 1H-Benzimidazole-5-carboximidamide,
2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:120654 CAPLUS
DOCUMENT NUMBER: 142:191226
TITLE: Combination of pentamidine or analog and
antiproliferative agent drugs for the treatment of
neoplasms
INVENTOR(S): Nichols, James M.; Lee, Margaret S.; Keith, Curtis T.;
Zhang, Yanzhen; Gaw, Debra A.
PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA
SOURCE: PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005011572	A2	20050210	WO 2004-US23524	20040722
WO 2005011572	A3	20050310		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,			

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

US 20050054708	A1	20050310	US 2004-895561	20040721
AU 2004261148	A1	20050210	AU 2004-261148	20040722
CA 2529521	A1	20050210	CA 2004-2529521	20040722
EP 1651211	A2	20060503	EP 2004-778848	20040722
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1829509	A	20060906	CN 2004-80022015	20040722
JP 2007500698	T	20070118	JP 2006-521916	20040722
KR 2006052820	A	20060519	KR 2006-701004	20060116
PRIORITY APPLN. INFO.:			US 2003-490759P	P 20030728
			WO 2004-US23524	W 20040722

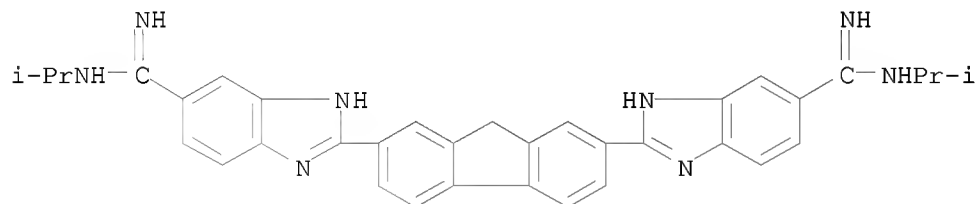
OTHER SOURCE(S): MARPAT 142:191226

IT 216503-09-2

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
 THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (combination of pentamidine or analog and antiproliferative agent drugs
 for treatment of neoplasms)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:1019575 CAPLUS

DOCUMENT NUMBER: 142:13480

TITLE: Oxazole-, thiazole-, and imidazole-fused
 phenanthroline molecules in organic light-emitting
 devices

INVENTOR(S): Chen, Jian Ping; Suzuki, Koichi

PATENT ASSIGNEE(S): Canon Kabushiki Kaisha, Japan

SOURCE: U.S. Pat. Appl. Publ., 14 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040234809	A1	20041125	US 2003-441164	20030520
US 7179542	B2	20070220		
JP 2004349245	A	20041209	JP 2004-133912	20040428

PRIORITY APPLN. INFO.: US 2003-441164 A 20030520

OTHER SOURCE(S): MARPAT 142:13480

IT 796888-98-7D, derivs. 796889-00-4D, derivs.

796889-02-6D, derivs. 796889-26-4D, derivs.

796889-28-6D, derivs. 796889-30-0D, derivs.

796889-55-9D, derivs. 796889-57-1D, derivs.

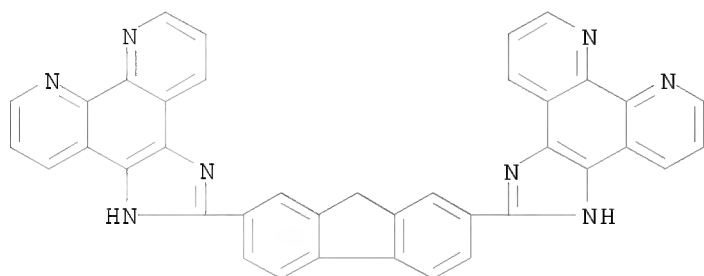
796889-59-3D, derivs.

RL: DEV (Device component use); USES (Uses)

(oxazole-, thiazole-, and imidazole-fused phenanthroline mols. in organic light-emitting devices)

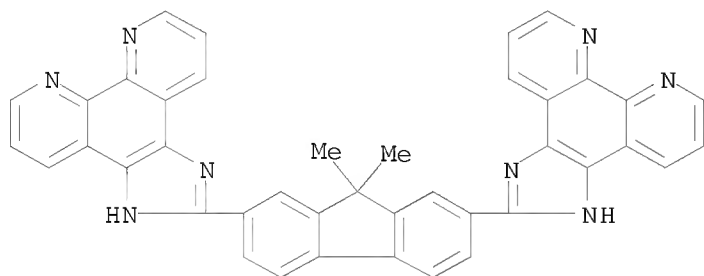
RN 796888-98-7 CAPLUS

CN 1H-Imidazo[4,5-f][1,10]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis-
(CA INDEX NAME)



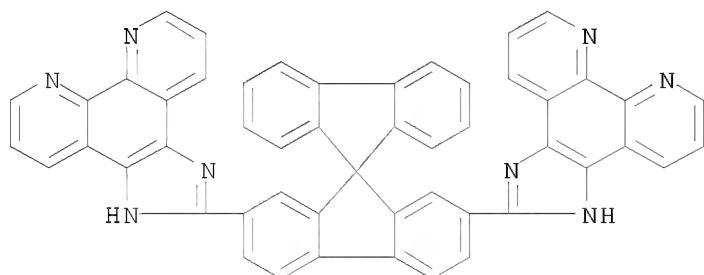
RN 796889-00-4 CAPLUS

CN 1H-Imidazo[4,5-f][1,10]phenanthroline,
2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



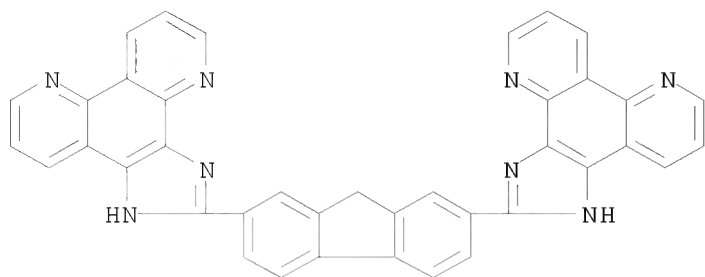
RN 796889-02-6 CAPLUS

CN 1H-Imidazo[4,5-f][1,10]phenanthroline,
2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)

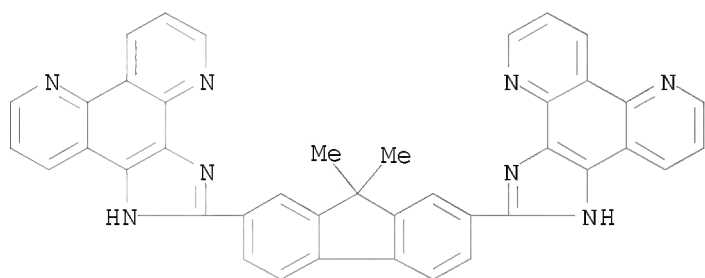


RN 796889-26-4 CAPLUS

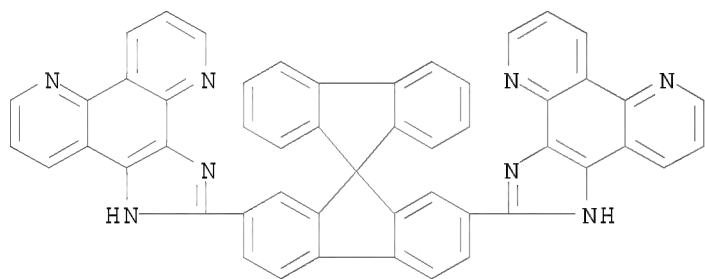
CN 1H-Imidazo[4,5-f][1,7]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis-
(9CI) (CA INDEX NAME)



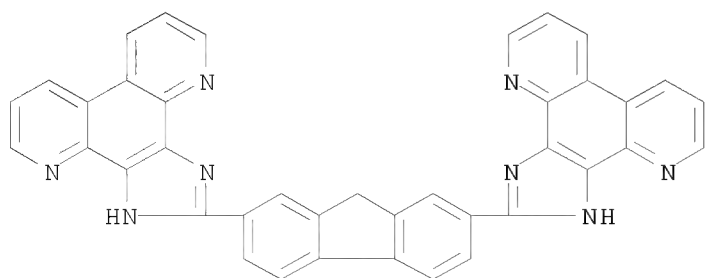
RN 796889-28-6 CAPLUS
 CN 1H-Imidazo[4,5-f][1,7]phenanthroline,
 2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (9CI) (CA INDEX NAME)



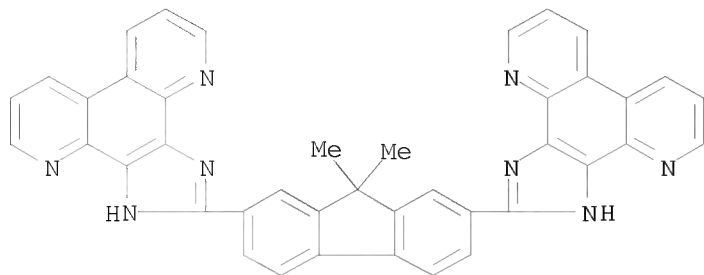
RN 796889-30-0 CAPLUS
 CN 1H-Imidazo[4,5-f][1,7]phenanthroline,
 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)



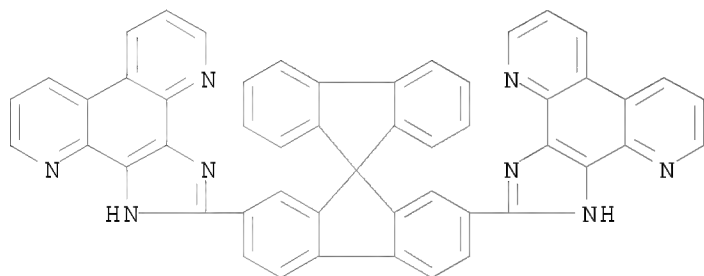
RN 796889-55-9 CAPLUS
 CN 1H-Imidazo[4,5-f][4,7]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



RN 796889-57-1 CAPLUS
 CN 1H-Imidazo[4,5-f][4,7]phenanthroline,
 2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



RN 796889-59-3 CAPLUS
 CN 1H-Imidazo[4,5-f][4,7]phenanthroline,
 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:60255 CAPLUS

DOCUMENT NUMBER: 140:105258

TITLE: Benzimidazole compound-pentamidine compound combinations for the treatment of neoplasms

INVENTOR(S): Borisy, Alexis; Keith, Curtis; Foley, Michael A.; Stockwell, Brent R.; Gaw, Debra A.

PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA

SOURCE: PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004006849	A2	20040122	WO 2003-US21984	20030715
WO 2004006849	A3	20040603		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,

TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003251904 A1 20040202 AU 2003-251904 20030715
 PRIORITY APPLN. INFO.: US 2002-396151P P 20020715
 WO 2003-US21984 W 20030715

OTHER SOURCE(S): MARPAT 140:105258

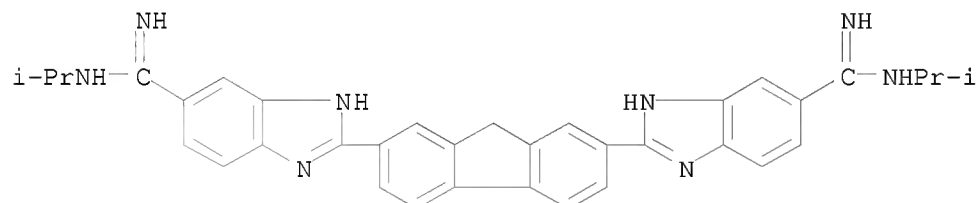
IT 216503-09-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)

(benzimidazole compound-pentamidine compound combinations for the treatment
 of neoplasms)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:60249 CAPLUS

DOCUMENT NUMBER: 140:122767

TITLE: Pentamidine compound-chlorpromazine compound
 combinations for the treatment of neoplasms

INVENTOR(S): Borisy, Alexis; Keith, Curtis; Foley, Michael A.;
 Stockwell, Brent R.; Gaw, Debra A.; Nichols, M. James;
 Lee, Margaret S.

PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004006842	A2	20040122	WO 2003-US21803	20030711
WO 2004006842	A3	20040527		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2492059	A1	20040122	CA 2003-2492059	20030711
AU 2003256511	A1	20040202	AU 2003-256511	20030711
US 20040116407	A1	20040617	US 2003-617424	20030711

BR 2003012597	A	20050510	BR 2003-12597	20030711
EP 1545544	A2	20050629	EP 2003-764557	20030711
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1681511	A	20051012	CN 2003-821151	20030711
JP 2005536509	T	20051202	JP 2004-521730	20030711
MX 2005000485	A	20050419	MX 2005-485	20050111
NO 2005000204	A	20050408	NO 2005-204	20050113
ZA 2005000618	A	20060830	ZA 2005-618	20050121
IN 2005CN00160	A	20070330	IN 2005-CN160	20050210
US 20070099905	A1	20070503	US 2006-585486	20061024
PRIORITY APPLN. INFO.:			US 2002-395233P	P 20020711
			US 2003-617424	A1 20030711
			WO 2003-US21803	W 20030711

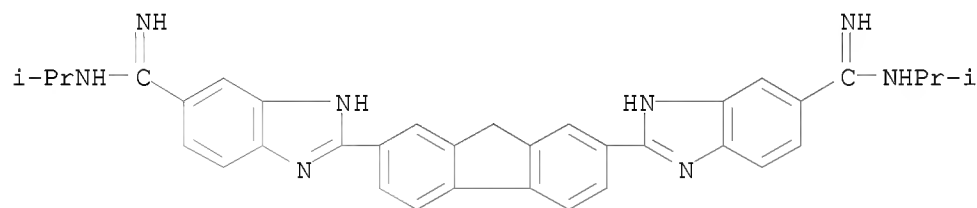
OTHER SOURCE(S): MARPAT 140:122767

IT 216503-09-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pentamidine compound-chlorpromazine compound combinations for the treatment of neoplasms)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide,
2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:970423 CAPLUS

DOCUMENT NUMBER: 140:146606

TITLE: Synthesis of a new conjugated polymer based on benzimidazole and its sensory properties using the fluorescence-quenching effect

AUTHOR(S): Choi, Ho Wook; Kim, Youn Suk; Yang, Nam Choul; Suh, Dong Hack

CORPORATE SOURCE: School of Chemical Engineering, Hanyang University, Seoul, 133-791, S. Korea

SOURCE: Journal of Applied Polymer Science (2004), 91(2), 900-904

CODEN: JAPNAB; ISSN: 0021-8995

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

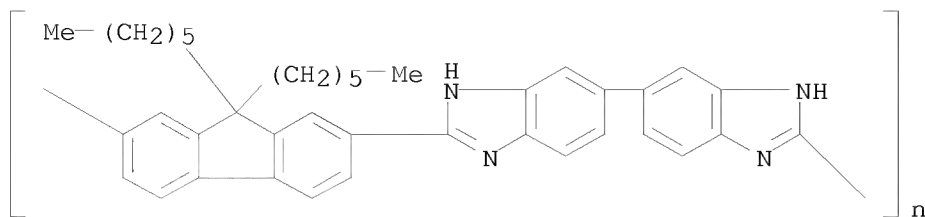
LANGUAGE: English

IT 536744-37-3DP, reaction products with 1,3-propane sultone

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of N-sulfopropyl-substituted polybenzimidazole and its sensory properties utilizing fluorescence-quenching effect)

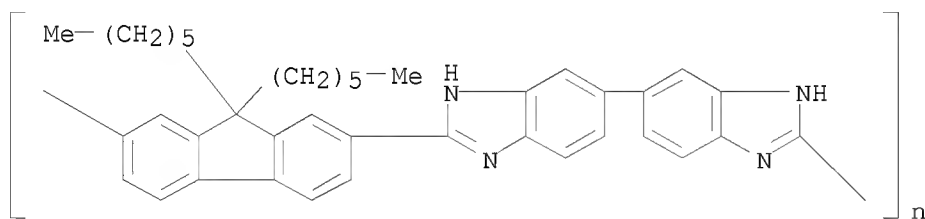
RN 536744-37-3 CAPLUS

CN Poly[[5,5'-bi-1H-benzimidazole]-2,2'-diyl(9,9-dihexyl-9H-fluorene-2,7-diyl)] (9CI) (CA INDEX NAME)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:148875 CAPLUS
 DOCUMENT NUMBER: 139:16612
 TITLE: An iodide sensory property of a strongly blue-fluorescent polycationic molecular wire from a new polybenzimidazole
 AUTHOR(S): Yang, Nam Choul; Lee, Sang Min; Suh, Dong Hack
 CORPORATE SOURCE: College of Engineering, School of Chemical Engineering, Hanyang University, Seoul, 133-791, S. Korea
 SOURCE: Polymer Bulletin (Berlin, Germany) (2003), 49(5), 371-377
 CODEN: POBUDR; ISSN: 0170-0839
 PUBLISHER: Springer-Verlag
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 536744-37-3P
 RL: ARG (Analytical reagent use); PRP (Properties); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses) (synthesis, characterization and anion-sensing property of strongly blue-fluorescent polycationic mol. wire from new polybenzimidazole)
 RN 536744-37-3 CAPLUS
 CN Poly[[5,5'-bi-1H-benzimidazole]-2,2'-diyl(9,9-dihexyl-9H-fluorene-2,7-diyl)] (9CI) (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2000:190915 CAPLUS
 DOCUMENT NUMBER: 132:237091
 TITLE: Preparation of bis(amidinobenzimidazolyl)furans, -pyrroles, and related compounds as antifungals.
 INVENTOR(S): Tidwell, Richard R.; Boykin, David W.; Perfect, John R.
 PATENT ASSIGNEE(S): The University of North Carolina at Chapel Hill, USA; The Georgia State University Research Foundation, Inc.; Duke University

SOURCE: PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015212	A2	20000323	WO 1999-US21383	19990915
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2344445	A1	20000323	CA 1999-2344445	19990915
AU 9960450	A	20000403	AU 1999-60450	19990915
AU 770656	B2	20040226		
EP 1143959	A2	20011017	EP 1999-969025	19990915
EP 1143959	A3	20020619		
EP 1143959	B1	20061102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
US 6326395	B1	20011204	US 1999-396836	19990915
JP 2002524503	T	20020806	JP 2000-569796	19990915
EP 1685836	A2	20060802	EP 2006-75828	19990915
EP 1685836	A3	20070509		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
AT 344028	T	20061115	AT 1999-969025	19990915
ES 2275362	T3	20070601	ES 1999-969025	19990915
AU 2004202311	A1	20040624	AU 2004-202311	20040526
AU 2005211616	A1	20051013	AU 2005-211616	20050920
PRIORITY APPLN. INFO.:			US 1998-100928P	P 19980917
			EP 1999-969025	A3 19990915
			WO 1999-US21383	W 19990915
			AU 2004-202311	A3 20040526

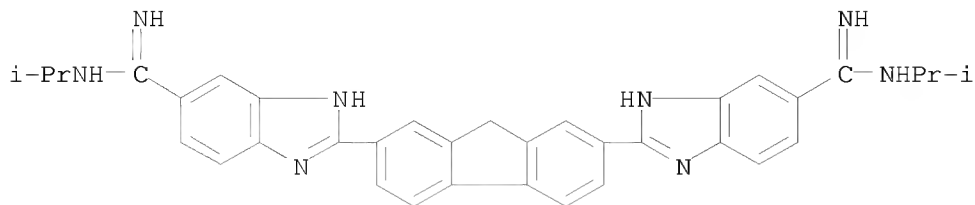
OTHER SOURCE(S): MARPAT 132:237091

IT 212829-49-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of bis(amidinobenzimidazolyl)furans, -pyrroles, and related compds. as antifungals)

RN 212829-49-7 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)-, tetrahydrochloride
 (9CI) (CA INDEX NAME)



● 4 HCl

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:536603 CAPLUS

DOCUMENT NUMBER: 131:308755

TITLE: In vitro activity of dicationic aromatic compounds and fluconazole against *Cryptococcus neoformans* and *Candida* spp.

AUTHOR(S): Del Poeta, Maurizio; Bixel, Amy S.; Barchiesi, Francesco; Tidwell, Richard R.; Boykin, David; Scalise, Giorgio; Perfect, John R.

CORPORATE SOURCE: Department of Medicine, Division of Infectious Diseases and International Health, Duke University Medical Center, Durham, NC, 27710, USA

SOURCE: Journal of Antimicrobial Chemotherapy (1999), 44(2), 223-228

CODEN: JACHDX; ISSN: 0305-7453

PUBLISHER: Oxford University Press

DOCUMENT TYPE: Journal

LANGUAGE: English

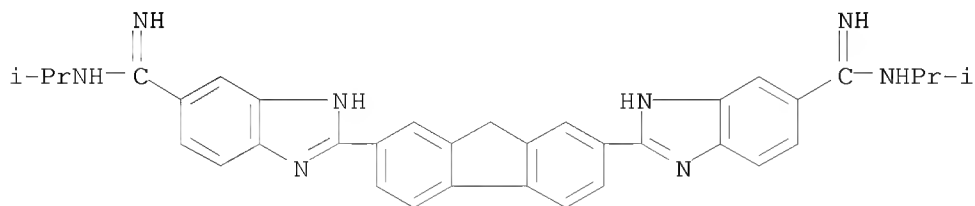
IT 216503-09-2

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(in vitro activity of dicationic aromatic compds. and fluconazole against *Cryptococcus neoformans* and *Candida* spp.)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide, 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:664985 CAPLUS

DOCUMENT NUMBER: 130:22732

TITLE: Structure-in vitro activity relationships of

pentamidine analogs and dication-substituted
bis-benzimidazoles as new antifungal agents

AUTHOR(S): Del Poeta, Maurizio; Schell, Wiley A.; Dykstra,
Christine C.; Jones, Susan; Tidwell, Richard R.;
Czarny, Agnieszka; Bajic, Miroslav; Bajic, Marina;
Kumar, Arvind; Boykin, David; Perfect, John R.

CORPORATE SOURCE: Department of Medicine, Division of Infectious
Diseases and International Health, Duke University
Medical Center, Durham, NC, 27710, USA

SOURCE: Antimicrobial Agents and Chemotherapy (1998), 42(10),
2495-2502
CODEN: AMACCQ; ISSN: 0066-4804

PUBLISHER: American Society for Microbiology

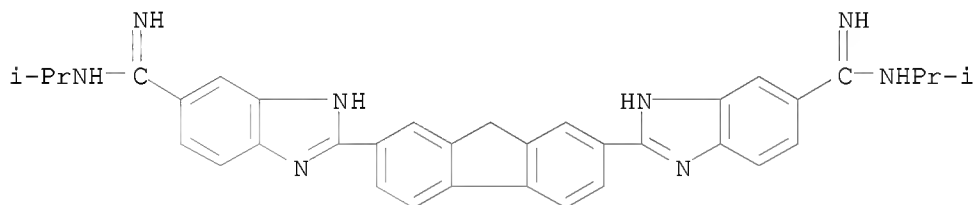
DOCUMENT TYPE: Journal

LANGUAGE: English

IT 216503-09-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(structure-in vitro activity relationships of pentamidine analogs and
dication-substituted bis-benzimidazoles as new antifungal agents)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide,
2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:608603 CAPLUS

DOCUMENT NUMBER: 129:230727

ORIGINAL REFERENCE NO.: 129:46951a, 46954a

TITLE: Preparation of substituted benzimidazoles for treating
retroviral infection

INVENTOR(S): Dykstra, Christine C.; Boykin, David; Tidwell, Richard
R.

PATENT ASSIGNEE(S): The University of North Carolina At Chapel Hill, USA;
Auburn University; Georgia State University

SOURCE: PCT Int. Appl., 57 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9838170	A1	19980903	WO 1998-US3830	19980227
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,				

PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ,
 VN, YU, ZW
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI,
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,
 GA, GN, ML, MR, NE, SN, TD, TG

US 5935982	A	19990810	US 1997-808321	19970228
CA 2282552	A1	19980903	CA 1998-2282552	19980227
AU 9866707	A	19980918	AU 1998-66707	19980227
AU 738975	B2	20011004		
EP 973750	A1	20000126	EP 1998-908758	19980227
EP 973750	B1	20040421		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI

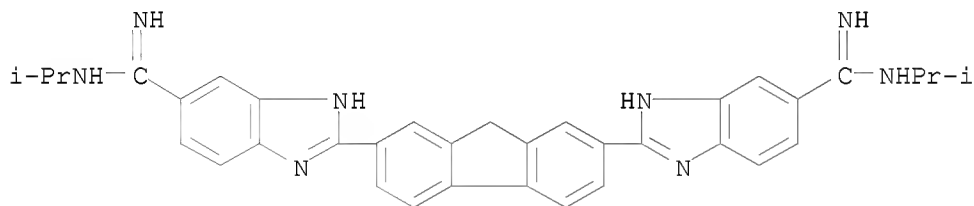
JP 2002513404	T	20020508	JP 1998-537870	19980227
AT 264846	T	20040515	AT 1998-908758	19980227
HK 1026691	A1	20040903	HK 2000-104566	20000724

PRIORITY APPLN. INFO.:
 US 1997-808321 A 19970228
 WO 1998-US3830 W 19980227

OTHER SOURCE(S): MARPAT 129:230727

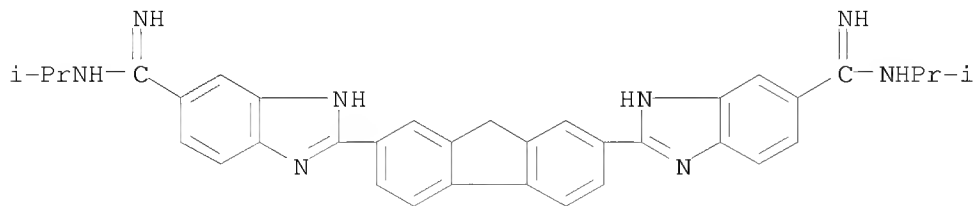
IT 216503-09-2
 RL: PRPH (Prophetic)
 (Preparation of substituted benzimidazoles for treating retroviral
 infection)

RN 216503-09-2 CAPLUS
 CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



IT 212829-49-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of substituted benzimidazoles for treating retroviral
 infection)

RN 212829-49-7 CAPLUS
 CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)-, tetrahydrochloride
 (9CI) (CA INDEX NAME)



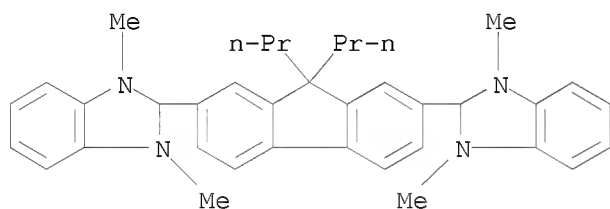
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:581921 CAPLUS
DOCUMENT NUMBER: 121:181921
ORIGINAL REFERENCE NO.: 121:33019a,33022a
TITLE: Synthesis and photophysical properties of fluorescent
2-aryl-1,3-dialkylbenzimidazolium ions and a
1-alkyl-2-arylbenzimidazole with excited state
intramolecular proton-transfer
AUTHOR(S): Kauffman, Joel M.; Khalaj, Ali; Litak, Peter T.;
Novinski, John A.; Bajwa, Gurdip S.
CORPORATE SOURCE: Department of Chemistry, Philadelphia College of
Pharmacy and Science, Philadelphia, PA, 19104-5595,
USA
SOURCE: Journal of Heterocyclic Chemistry (1994), 31(4),
957-65
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 121:181921
IT 157771-51-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and fluorescence quantum yield of)
RN 157771-51-2 CAPLUS
CN 1H-Benzimidazolium, 2,2'-(9,9-dipropyl-9H-fluorene-2,7-diyl)bis[1,3-
dimethyl-, dimethanesulfonate (9CI) (CA INDEX NAME)

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CRN 157771-50-1

CMF C37 H40 N4

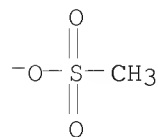


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CM 2

CRN 16053-58-0

CMF C H3 O3 S



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COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
51.68	237.78

FILE 'STNGUIDE' ENTERED AT 15:29:34 ON 20 FEB 2009
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Feb 13, 2009 (20090213/UP).

=> file reg
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
1.96	239.74

FILE 'REGISTRY' ENTERED AT 15:46:15 ON 20 FEB 2009
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STRUCTURE FILE UPDATES: 19 FEB 2009 HIGHEST RN 1108793-37-8
DICTIONARY FILE UPDATES: 19 FEB 2009 HIGHEST RN 1108793-37-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

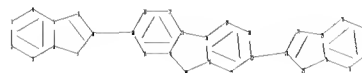
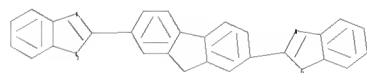
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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24 25 26 27 28 29 30 31
chain bonds :
8-10  21-23
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9  10-11  10-15  11-12  12-13  13-14
13-16  14-15  14-18  16-17  16-19  17-18  17-22  19-20  20-21  21-22  23-24  23-27
24-25  25-26  25-28  26-27  26-31  28-29  29-30  30-31
exact/norm bonds :
5-7  6-9  7-8  8-9  8-10  13-16  14-18  17-18  21-23  23-24  23-27  24-25  26-27
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6  10-11  10-15  11-12  12-13  13-14  14-15  16-17
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G1:O,S,N

Match level :

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20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom

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L4 STRUCTURE UPLOADED

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FULL SEARCH INITIATED 15:47:31 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3692 TO ITERATE

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100.0% PROCESSED 3692 ITERATIONS
SEARCH TIME: 00.00.01

53 ANSWERS

L5 53 SEA SSS FUL L4

=> file capl

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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426.10

FILE 'CAPLUS' ENTERED AT 15:47:33 ON 20 FEB 2009

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FILE COVERS 1907 - 20 Feb 2009 VOL 150 ISS 9

FILE LAST UPDATED: 19 Feb 2009 (20090219/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 154

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L6 29 L5

=> d 16 1-29 ibib hitstr

L6 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1038813 CAPLUS

DOCUMENT NUMBER: 149:319669

TITLE: Ultraviolet ray-absorbing films and the filters therewith for display panels

INVENTOR(S): Mori, Hideto; Sato, Tadahisa

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 31pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

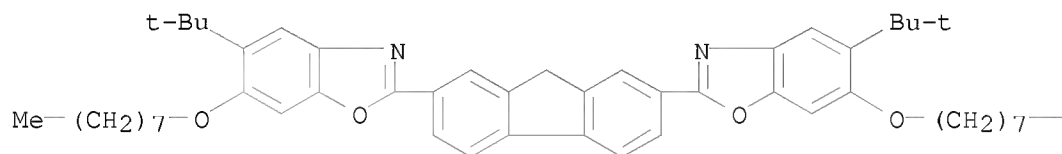
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008195830	A	20080828	JP 2007-32459	20070213

PRIORITY APPLN. INFO.:
IT 1050447-32-9
RL: PRPH (Prophetic)
(films containing UV absorbers and fluorescent whiteners for films for filters for display panels)
RN 1050447-32-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

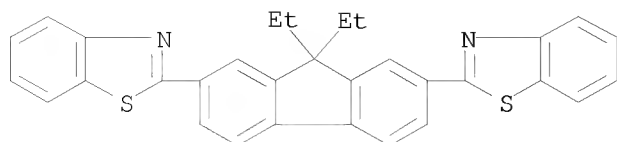
PAGE 1-A



PAGE 1-B

— Me

L6 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:1167259 CAPLUS
DOCUMENT NUMBER: 148:65395
TITLE: Two-Photon Absorption Cross Section Determination for Fluorene Derivatives: Analysis of the Methodology and Elucidation of the Origin of the Absorption Processes
AUTHOR(S): Belfield, Kevin D.; Bondar, Mykhailo V.; Hernandez, Florencio E.; Przhonska, Olga V.; Yao, Sheng
CORPORATE SOURCE: Department of Chemistry and CREOL, College of Optics and Photonics, University of Central Florida, Orlando, FL, 32816-2366, USA
SOURCE: Journal of Physical Chemistry B (2007), 111(44), 12723-12729
CODEN: JPCBFK; ISSN: 1520-6106
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 745079-41-8
RL: PRP (Properties)
(two-photon absorption cross section determination for fluorene derivs.: anal. of methodol. and elucidation of origin of absorption processes)
RN 745079-41-8 CAPLUS
CN Benzothiazole, 2,2'-(9,9-diethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:469336 CAPLUS

DOCUMENT NUMBER: 147:222091

TITLE: Solvent effect on the steady-state fluorescence anisotropy of two-photon absorbing fluorene derivatives

AUTHOR(S): Belfield, Kevin D.; Bondar, Mykhailo V.; Kachkovsky, Oleksiy D.; Przhonska, Olga V.; Yao, Sheng

CORPORATE SOURCE: Department of Chemistry and CREOL, College of Optics and Photonics, University of Central Florida, Orlando, FL, 32816-2366, USA

SOURCE: Journal of Luminescence (2007), 126(1), 14-20
CODEN: JLUMA8; ISSN: 0022-2313

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

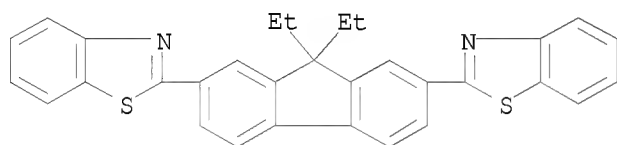
IT 745079-41-8

RL: PRP (Properties)

(solvent effect on steady-state fluorescence anisotropy of two-photon absorbing fluorene derivs.)

RN 745079-41-8 CAPLUS

CN Benzothiazole, 2,2'-(9,9-diethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:997 CAPLUS

DOCUMENT NUMBER: 146:337390

TITLE: Two-photon photochromism of a diarylethene enhanced by Forster resonance energy transfer from two-photon absorbing fluorenes

AUTHOR(S): Belfield, Kevin D.; Bondar, Mykhailo V.; Corredor, Claudia C.; Hernandez, Florencio E.; Przhonska, Olga V.; Yao, Sheng

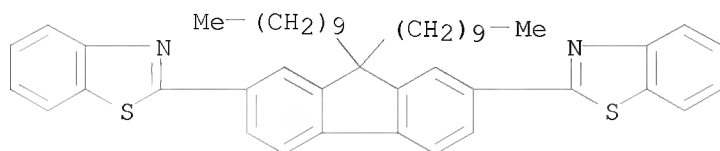
CORPORATE SOURCE: Department of Chemistry and College of Optics and Photonics CREOL and FPCE, University of Central Florida, Orlando, FL, 32816, USA

SOURCE: ChemPhysChem (2006), 7(12), 2514-2519
CODEN: CPCHFT; ISSN: 1439-4235

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

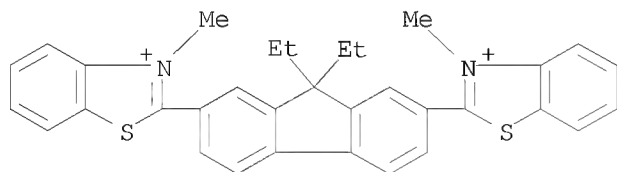
DOCUMENT TYPE: Journal

LANGUAGE: English
 IT 745079-42-9
 RL: PEP (Physical, engineering or chemical process); PRP (Properties);
 PROC (Process)
 (two-photon photochromism of a diarylethene enhanced by Forster
 resonance energy transfer from two-photon absorbing fluorenes)
 RN 745079-42-9 CAPLUS
 CN Benzothiazole, 2,2'-(9,9-didecyl-9H-fluorene-2,7-diyl)bis- (CA INDEX
 NAME)



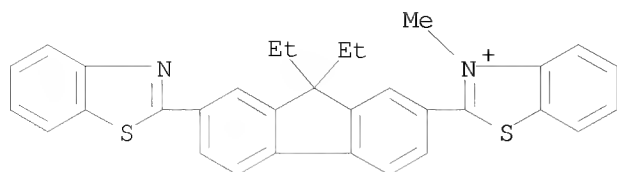
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2006:854706 CAPLUS
 DOCUMENT NUMBER: 146:496250
 TITLE: Fluorene-based fluorescent probes for two-photon
 imaging applications
 AUTHOR(S): Belfield, Kevin D.; Morales, Alma R.; Schafer-Hales,
 Katherine J.; Yao, Sheng
 CORPORATE SOURCE: Department of Chemistry and CREOL, College of Optics
 and Photonics, University of Central Florida, Orlando,
 FL, 32816, USA
 SOURCE: Polymer Preprints (American Chemical Society, Division
 of Polymer Chemistry) (2006), 47(2), 1006-1007
 CODEN: ACPPAY; ISSN: 0032-3934
 PUBLISHER: American Chemical Society, Division of Polymer
 Chemistry
 DOCUMENT TYPE: Journal; (computer optical disk)
 LANGUAGE: English
 IT 936292-04-5 936292-14-7
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
 (fluorene-based fluorescent probes for two-photon imaging applications)
 RN 936292-04-5 CAPLUS
 CN Benzothiazolium, 2-[7-(2-benzothiazolyl)-9,9-diethyl-9H-fluorene-2-yl]-3-
 methyl-, iodide (1:2) (CA INDEX NAME)



● 2 I⁻

RN 936292-14-7 CAPLUS
 CN Benzothiazolium, 2-[7-(2-benzothiazolyl)-9,9-diethyl-9H-fluorene-2-yl]-3-
 methyl-, iodide (1:1) (CA INDEX NAME)



● I⁻

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:656393 CAPLUS

DOCUMENT NUMBER: 145:124546

TITLE: Preparation of benzoxazole derivatives for the manufacture of ophthalmic lenses

INVENTOR(S): Kauffman, Joeel; Litak, Peter T.; Rickwood, Martin

PATENT ASSIGNEE(S): Essilor International (Compagnie Generale D'Optique), Fr.

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006069811	A2	20060706	WO 2005-EP14202	20051230
WO 2006069811	A3	20070104		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2005321406	A1	20060706	AU 2005-321406	20051230
CA 2592585	A1	20060706	CA 2005-2592585	20051230
EP 1838682	A2	20071003	EP 2005-850391	20051230
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2008526708	T	20080724	JP 2007-548773	20051230
US 20080064880	A1	20080313	US 2006-565414	20060123
PRIORITY APPLN. INFO.:			US 2004-640506P	P 20041230
			WO 2005-EP14202	W 20051230

OTHER SOURCE(S): CASREACT 145:124546; MARPAT 145:124546

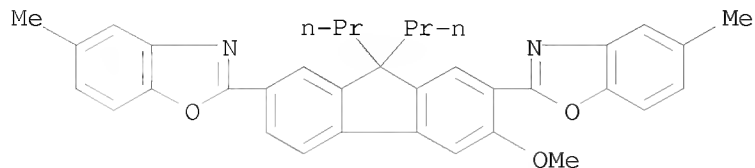
IT 897364-52-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of 9H-fluoreno[3,2-d]oxazole and benzoxazolylfluorene derivs.
as optical lenses)

RN 897364-52-2 CAPLUS

CN Benzoxazole, 2,2'-(3-methoxy-9,9-dipropyl-9H-fluorene-2,7-diyl)bis[5-methyl- (CA INDEX NAME)



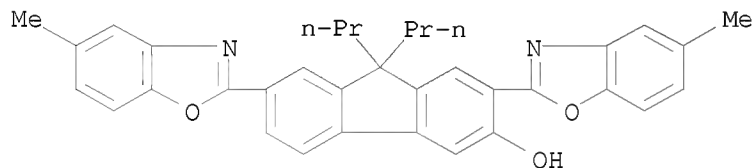
IT 897364-44-2P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of 9H-fluoreno[3,2-d]oxazole and benzoxazolylfluorene derivs.
as optical lenses)

RN 897364-44-2 CAPLUS

CN 9H-Fluorene-3-ol, 2,7-bis(5-methyl-2-benzoxazolyl)-9,9-dipropyl- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:110162 CAPLUS

DOCUMENT NUMBER: 144:340263

TITLE: Two-photon anisotropy: Analytical description and molecular modeling for symmetrical and asymmetrical organic dyes

AUTHOR(S): Fu, Jie; Przhonska, Olga V.; Padilha, Lazaro A.; Hagan, David J.; Van Stryland, Eric W.; Belfield, Kevin D.; Bondar, Mikhail V.; Slominsky, Yuriy L.; Kachkovski, Alexei D.

CORPORATE SOURCE: College of Optics and Photonics: CREOL & FPCE, University of Central Florida, Orlando, FL, 32816, USA

SOURCE: Chemical Physics (2006), 321(3), 257-268

CODEN: CMPHC2; ISSN: 0301-0104

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

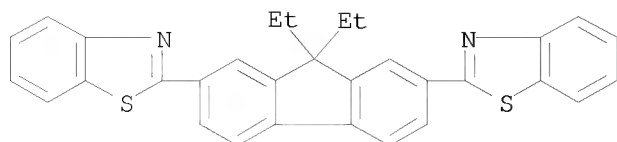
IT 745079-41-8

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); PROC (Process)

(two-photon anisotropy and anal. description and mol. modeling for sym. and asym. organic dyes)

RN 745079-41-8 CAPLUS

CN Benzothiazole, 2,2'-(9,9-diethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1318342 CAPLUS

DOCUMENT NUMBER: 145:154535

TITLE: Excited-state absorption and anisotropy properties of two-photon absorbing fluorene derivatives

AUTHOR(S): Belfield, Kevin D.; Bondar, Mykhailo V.; Cohanoschi, I.; Hernandez, Florencio E.; Kachkovsky, Oleksiy D.; Przhonska, Olga V.; Yao, Sheng

CORPORATE SOURCE: Department of Chemistry and College of Optics and Photonics, Center for Research and Education in Optics and Laser and Florida Photonics Center of Excellence, University of Central Florida, Orlando, FL, 32816-2366, USA

SOURCE: Applied Optics (2005), 44(33), 7232-7238

CODEN: APOPAI; ISSN: 0003-6935

PUBLISHER: Optical Society of America

DOCUMENT TYPE: Journal

LANGUAGE: English

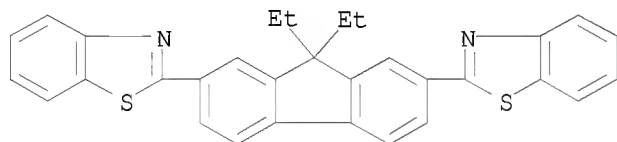
IT 745079-41-8

RL: PRP (Properties)

(excited-state absorption and anisotropy properties of two-photon absorbing fluorene derivs.)

RN 745079-41-8 CAPLUS

CN Benzothiazole, 2,2'-(9,9-diethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1076336 CAPLUS

DOCUMENT NUMBER: 144:138225

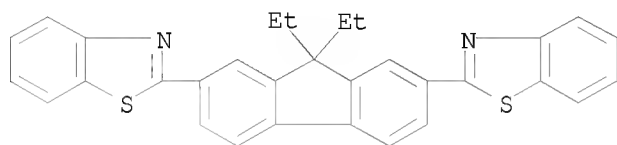
TITLE: Nonlinear absorption and refraction measurements of Fluorene-based molecules via Picosecond Z-scans

AUTHOR(S): Gvishi, Raz; McMillian, Tarik H.; Hagan, David J.; Van Stryland, Eric W.; Schafer, Katherine J.; Yao, Sheng; Belfield, Kevin D.

CORPORATE SOURCE: College of Optics and Photonics: CREOL/FPCE, Univ. of Central Florida, Orlando, FL, 32816-2700, USA

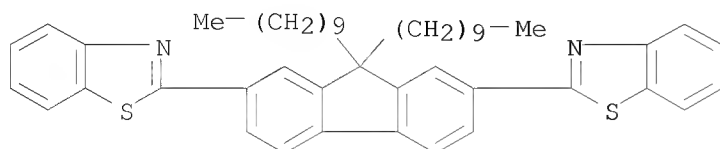
SOURCE: Proceedings of SPIE-The International Society for Optical Engineering (2005), 5934(Nonlinear Optical Transmission and Multiphoton Processes in Organics III), 59340C/1-59340C/8

CODEN: PSISDG; ISSN: 0277-786X
 PUBLISHER: SPIE-The International Society for Optical Engineering
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 745079-41-8
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); PROC (Process)
 (nonlinear absorption and refraction measurements of fluorene-based mols. via picosecond Z-scans)
 RN 745079-41-8 CAPLUS
 CN Benzothiazole, 2,2'-(9,9-diethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:319359 CAPLUS
 DOCUMENT NUMBER: 143:50061
 TITLE: Three-photon absorption enhancement in symmetrical charge transfer pull-pull fluorene derivatives
 AUTHOR(S): Cohanoschi, Ion; Belfield, Kevin D.; Hernandez, Florencio E.
 CORPORATE SOURCE: Department of Chemistry and School of Optics: CREOL & FPCE, University of Central Florida, Orlando, FL, 32816-2366, USA
 SOURCE: Chemical Physics Letters (2005), 406(4-6), 462-466
 CODEN: CHPLBC; ISSN: 0009-2614
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 745079-42-9
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); PROC (Process)
 (three-photon absorption enhancement in sym. charge transfer pull-pull fluorene derivs. upconversion fluorescence)
 RN 745079-42-9 CAPLUS
 CN Benzothiazole, 2,2'-(9,9-didecyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:268872 CAPLUS
 DOCUMENT NUMBER: 142:464100

TITLE: Synthesis and characterization of novel rigid two-photon absorbing polymers

AUTHOR(S): Belfield, Kevin D.; Yao, Sheng; Morales, Alma R.; Hales, Joel M.; Hagan, David J.; Van Stryland, Eric W.; Chapela, Victor M.; Percino, Judith

CORPORATE SOURCE: Department of Chemistry, College of Optics and Photonics: CREOL & FPCE, University of Central Florida, Orlando, FL, 32816-2366, USA

SOURCE: Polymers for Advanced Technologies (2005), 16(2-3), 150-155
CODEN: PADTE5; ISSN: 1042-7147

PUBLISHER: John Wiley & Sons Ltd.

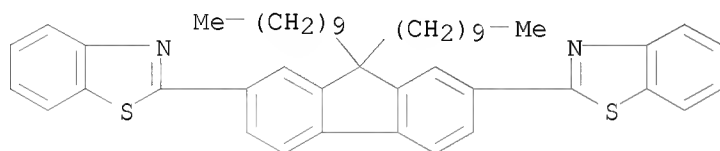
DOCUMENT TYPE: Journal

LANGUAGE: English

IT 745079-42-9P, 2,7-Bisbenzothiazole-9,9-Didecylfluorene
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(model compound; synthesis and characterization of novel rigid two-photon absorbing polymers)

RN 745079-42-9 CAPLUS

CN Benzothiazole, 2,2'-(9,9-didecyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:216611 CAPLUS

DOCUMENT NUMBER: 142:291340

TITLE: Formulations, conjugates, and combinations of drugs for the treatment of neoplasms

INVENTOR(S): Nichols, James M.; Foley, Michael A.; Keith, Curtis; Padval, Mahesh; Elliott, Peter

PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA

SOURCE: PCT Int. Appl., 92 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

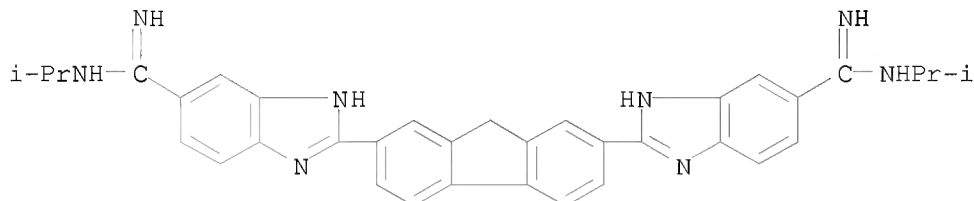
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005020913	A2	20050310	WO 2004-US27695	20040825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

US 20050080075 A1 20050414 US 2004-925835 20040825
 PRIORITY APPLN. INFO.: US 2003-497617P P 20030825
 OTHER SOURCE(S): MARPAT 142:291340
 IT 216503-09-2
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (formulations and conjugates and combinations of drugs such as
 phenothiazines for treatment of neoplasms)
 RN 216503-09-2 CAPLUS
 CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 13 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:120654 CAPLUS
 DOCUMENT NUMBER: 142:191226
 TITLE: Combination of pentamidine or analog and
 antiproliferative agent drugs for the treatment of
 neoplasms
 INVENTOR(S): Nichols, James M.; Lee, Margaret S.; Keith, Curtis T.;
 Zhang, Yanzhen; Gaw, Debra A.
 PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA
 SOURCE: PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005011572	A2	20050210	WO 2004-US23524	20040722
WO 2005011572	A3	20050310		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 20050054708	A1	20050310	US 2004-895561	20040721
AU 2004261148	A1	20050210	AU 2004-261148	20040722
CA 2529521	A1	20050210	CA 2004-2529521	20040722
EP 1651211	A2	20060503	EP 2004-778848	20040722
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
CN 1829509	A	20060906	CN 2004-80022015	20040722
JP 2007500698	T	20070118	JP 2006-521916	20040722

KR 2006052820 A 20060519 KR 2006-701004 20060116
PRIORITY APPLN. INFO.: US 2003-490759P P 20030728
WO 2004-US23524 W 20040722

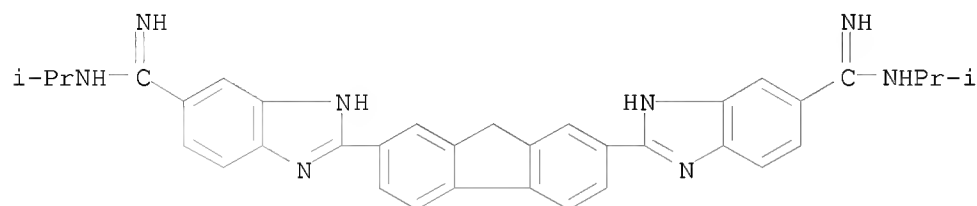
OTHER SOURCE(S): MARPAT 142:191226

IT 216503-09-2

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(combination of pentamidine or analog and antiproliferative agent drugs
for treatment of neoplasms)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide,
2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:1019575 CAPLUS

DOCUMENT NUMBER: 142:13480

TITLE: Oxazole-, thiazole-, and imidazole-fused
phenanthroline molecules in organic light-emitting
devices

INVENTOR(S): Chen, Jian Ping; Suzuki, Koichi

PATENT ASSIGNEE(S): Canon Kabushiki Kaisha, Japan

SOURCE: U.S. Pat. Appl. Publ., 14 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040234809	A1	20041125	US 2003-441164	20030520
US 7179542	B2	20070220		
JP 2004349245	A	20041209	JP 2004-133912	20040428
PRIORITY APPLN. INFO.:			US 2003-441164	A 20030520

OTHER SOURCE(S): MARPAT 142:13480

IT 796888-97-6 796888-98-7D, derivs. 796888-99-8

796889-00-4D, derivs. 796889-01-5 796889-02-6D

, derivs. 796889-25-3 796889-26-4D, derivs.

796889-27-5 796889-28-6D, derivs. 796889-29-7

796889-30-0D, derivs. 796889-53-7 796889-55-9D

, derivs. 796889-56-0 796889-57-1D, derivs.

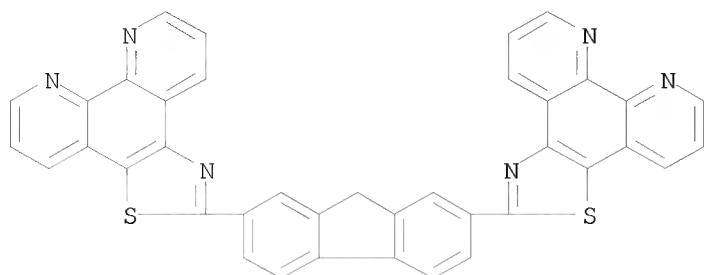
796889-58-2 796889-59-3D, derivs.

RL: DEV (Device component use); USES (Uses)

(oxazole-, thiazole-, and imidazole-fused phenanthroline mols. in organic
light-emitting devices)

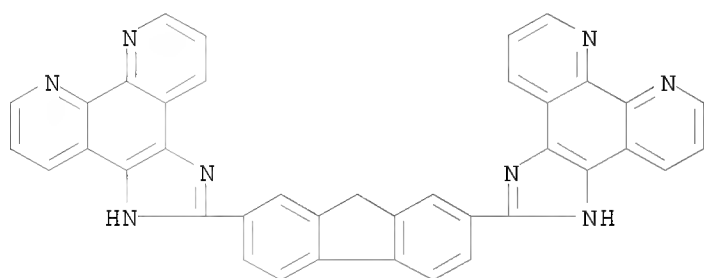
RN 796888-97-6 CAPLUS

CN Thiazolo[4,5-f][1,10]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis- (CA
INDEX NAME)



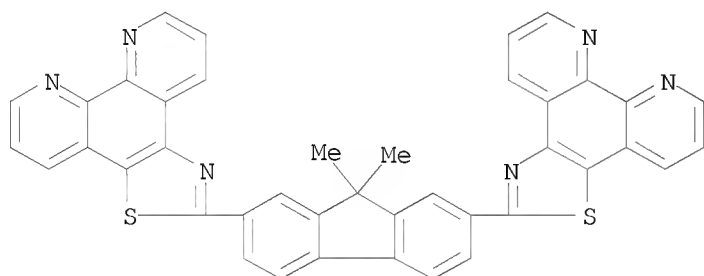
RN 796888-98-7 CAPLUS

CN 1H-Imidazo[4,5-f][1,10]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis-
(CA INDEX NAME)



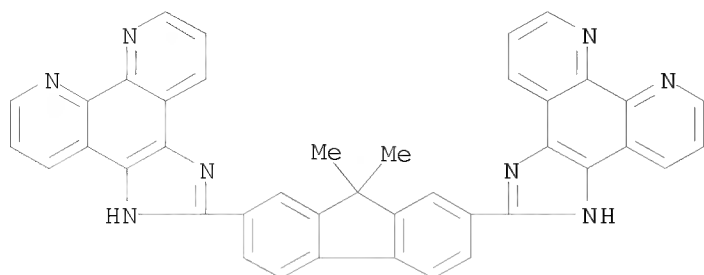
RN 796888-99-8 CAPLUS

CN Thiazolo[4,5-f][1,10]phenanthroline,
2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)

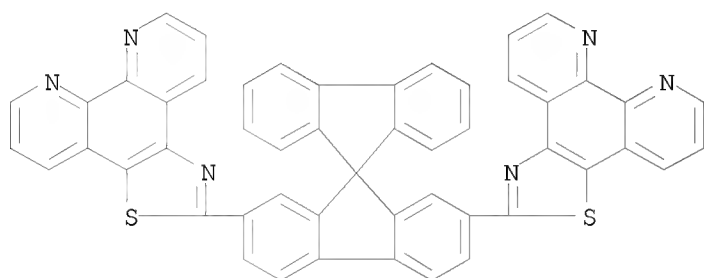


RN 796889-00-4 CAPLUS

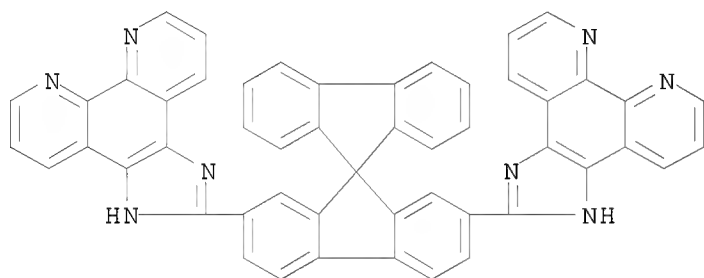
CN 1H-Imidazo[4,5-f][1,10]phenanthroline,
2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



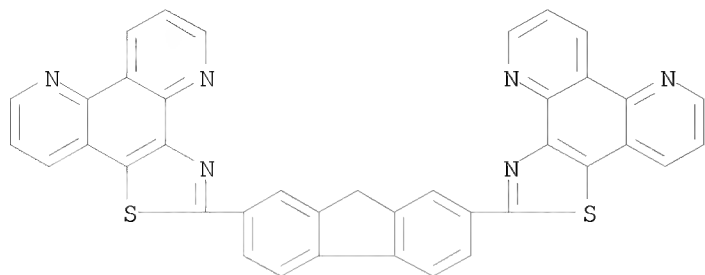
RN 796889-01-5 CAPLUS
 CN Thiazolo[4,5-f][1,10]phenanthroline,
 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)



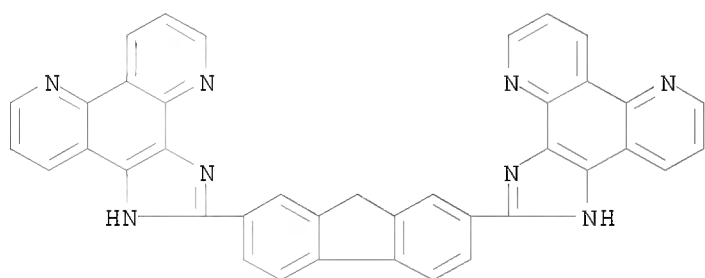
RN 796889-02-6 CAPLUS
 CN 1H-Imidazo[4,5-f][1,10]phenanthroline,
 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)



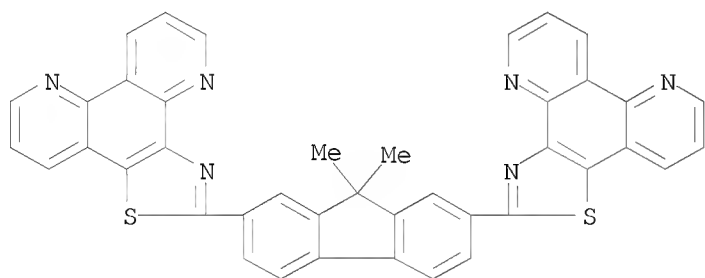
RN 796889-25-3 CAPLUS
 CN Thiazolo[5,4-f][1,7]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



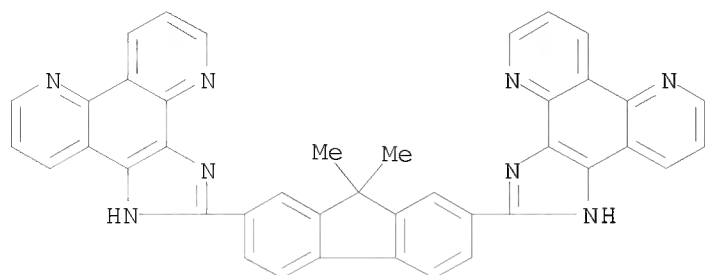
RN 796889-26-4 CAPLUS
 CN 1H-Imidazo[4,5-f][1,7]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis-
 (9CI) (CA INDEX NAME)



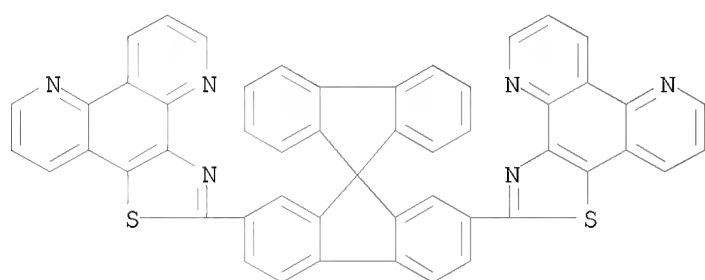
RN 796889-27-5 CAPLUS
 CN Thiazolo[5,4-f][1,7]phenanthroline,
 2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



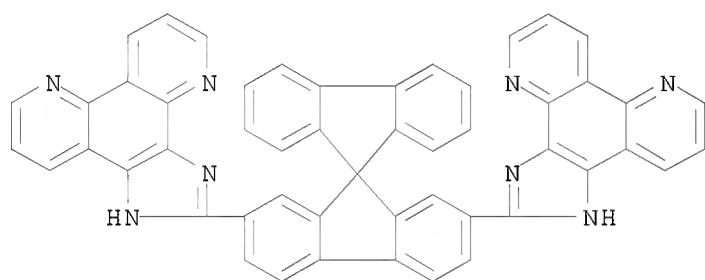
RN 796889-28-6 CAPLUS
 CN 1H-Imidazo[4,5-f][1,7]phenanthroline,
 2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (9CI) (CA INDEX NAME)



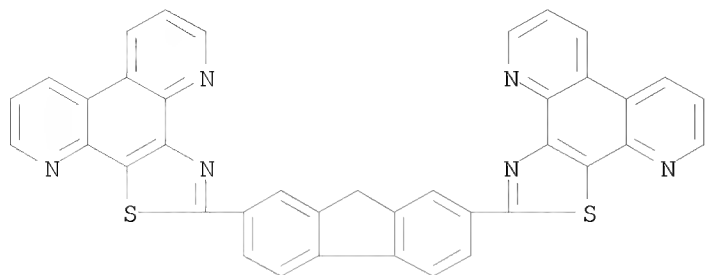
RN	796889-29-7	CAPLUS	
CN	Thiazolo[5,4-f][1,7]phenanthroline, 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)		



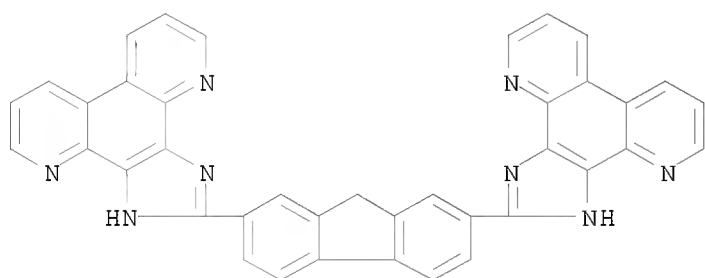
RN	796889-30-0	CAPLUS	
CN	1H-Imidazo[4,5-f][1,7]phenanthroline, 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)		



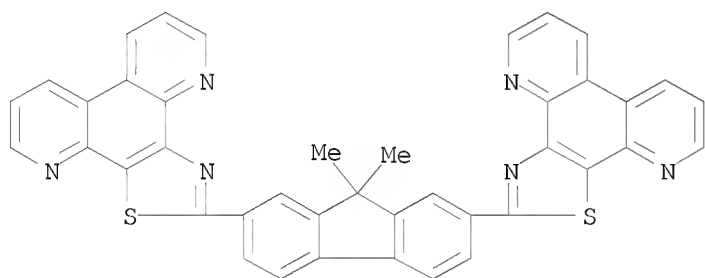
RN	796889-53-7	CAPLUS	
CN	Thiazolo[4,5-f][4,7]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis-		(CA
	INDEX NAME)		



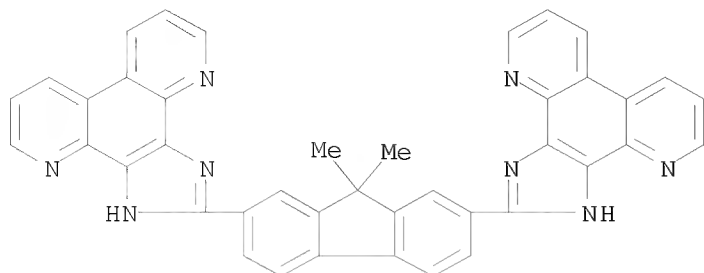
RN 796889-55-9 CAPLUS
 CN 1H-Imidazo[4,5-f][4,7]phenanthroline, 2,2'-(9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



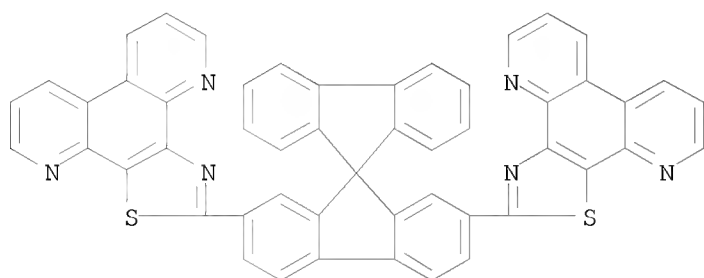
RN 796889-56-0 CAPLUS
 CN Thiazolo[4,5-f][4,7]phenanthroline, 2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



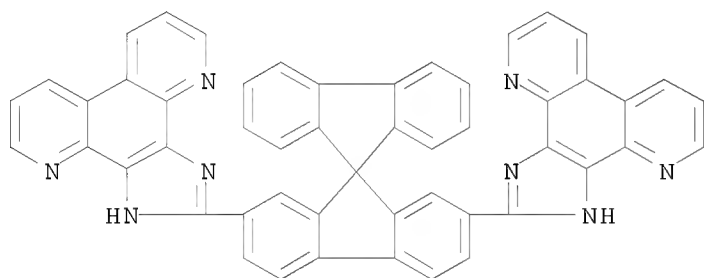
RN 796889-57-1 CAPLUS
 CN 1H-Imidazo[4,5-f][4,7]phenanthroline, 2,2'-(9,9-dimethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



RN 796889-58-2 CAPLUS
 CN Thiazolo[4,5-f][4,7]phenanthroline,
 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)



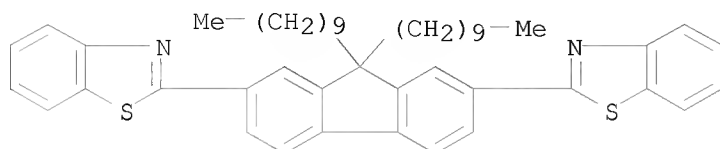
RN 796889-59-3 CAPLUS
 CN 1H-Imidazo[4,5-f][4,7]phenanthroline,
 2,2'-(9,9'-spirobi[9H-fluorene]-2,7-diyl)bis- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

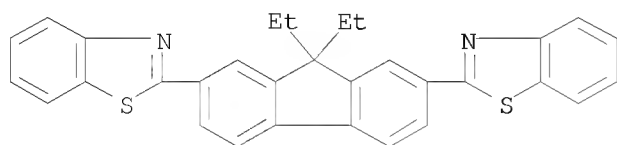
L6 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:670129 CAPLUS
 DOCUMENT NUMBER: 141:303847
 TITLE: Two-photons and beyond: 2, 3 and 4 photon absorption
 in conjugated fluorenes
 AUTHOR(S): Belfield, Kevin D.; Hernandez, Florencio E.;
 Cohanoschi, Ion; Bondar, Mykhailo V.; Van Stryland,
 Eric W.
 CORPORATE SOURCE: Department of Chemistry and School of Optics: CREOL
 and FPCE, University of Central Florida, Orlando, FL,
 32816-2366, USA
 SOURCE: PMSE Preprints (2004), 91, 346-347

CODEN: PPMRA9; ISSN: 1550-6703
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal; (computer optical disk)
 LANGUAGE: English
 IT 745079-42-9
 RL: PRP (Properties)
 (multi-photon absorption in conjugated fluorenes)
 RN 745079-42-9 CAPLUS
 CN Benzothiazole, 2,2'-(9,9-didecyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)

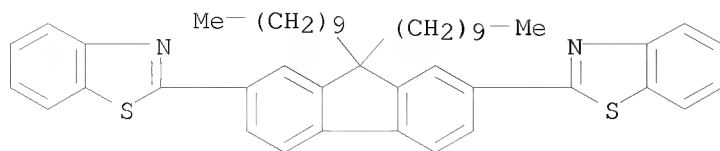


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2004:543643 CAPLUS
 DOCUMENT NUMBER: 141:313812
 TITLE: Synthesis, Characterization, and Optical Properties of New Two-Photon-Absorbing Fluorene Derivatives
 AUTHOR(S): Belfield, Kevin D.; Morales, Alma R.; Kang, Bong-Soo; Hales, Joel M.; Hagan, David J.; Van Stryland, Eric W.; Chapela, Victor M.; Percino, Judith
 CORPORATE SOURCE: Department of Chemistry and College of Optics and Photonics: CREOL FPCE, University of Central Florida, Orlando, FL, 32816, USA
 SOURCE: Chemistry of Materials (2004), 16(23), 4634-4641
 CODEN: CMATEX; ISSN: 0897-4756
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 141:313812
 IT 745079-41-8P 745079-42-9P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (synthesis, characterization, and optical spectra of two-photon-absorbing fluorene derivs.)
 RN 745079-41-8 CAPLUS
 CN Benzothiazole, 2,2'-(9,9-diethyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



RN 745079-42-9 CAPLUS
 CN Benzothiazole, 2,2'-(9,9-didecyl-9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:60255 CAPLUS

DOCUMENT NUMBER: 140:105258

TITLE: Benzimidazole compound-pentamidine compound combinations for the treatment of neoplasms

INVENTOR(S): Borisy, Alexis; Keith, Curtis; Foley, Michael A.; Stockwell, Brent R.; Gaw, Debra A.

PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA

SOURCE: PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004006849	A2	20040122	WO 2003-US21984	20030715
WO 2004006849	A3	20040603		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003251904	A1	20040202	AU 2003-251904	20030715
PRIORITY APPLN. INFO.:			US 2002-396151P	P 20020715
			WO 2003-US21984	W 20030715

OTHER SOURCE(S): MARPAT 140:105258

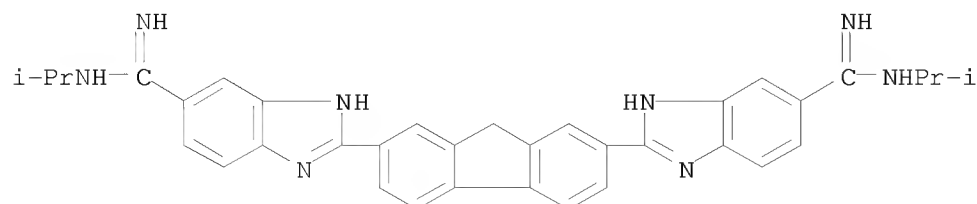
IT 216503-09-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(benzimidazole compound-pentamidine compound combinations for the treatment of neoplasms)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide, 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



L6 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:60249 CAPLUS

DOCUMENT NUMBER: 140:122767

TITLE: Pentamidine compound-chlorpromazine compound combinations for the treatment of neoplasms

INVENTOR(S): Borisy, Alexis; Keith, Curtis; Foley, Michael A.; Stockwell, Brent R.; Gaw, Debra A.; Nichols, M. James; Lee, Margaret S.

PATENT ASSIGNEE(S): Combinatorx, Incorporated, USA

SOURCE: PCT Int. Appl., 76 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2004006842	A2	20040122	WO 2003-US21803	20030711
WO 2004006842	A3	20040527		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2492059	A1	20040122	CA 2003-2492059	20030711
AU 2003256511	A1	20040202	AU 2003-256511	20030711
US 20040116407	A1	20040617	US 2003-617424	20030711
BR 2003012597	A	20050510	BR 2003-12597	20030711
EP 1545544	A2	20050629	EP 2003-764557	20030711
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1681511	A	20051012	CN 2003-821151	20030711
JP 2005536509	T	20051202	JP 2004-521730	20030711
MX 2005000485	A	20050419	MX 2005-485	20050111
NO 2005000204	A	20050408	NO 2005-204	20050113
ZA 2005000618	A	20060830	ZA 2005-618	20050121
IN 2005CN00160	A	20070330	IN 2005-CN160	20050210
US 20070099905	A1	20070503	US 2006-585486	20061024
PRIORITY APPLN. INFO.:			US 2002-395233P	P 20020711
			US 2003-617424	A1 20030711
			WO 2003-US21803	W 20030711

OTHER SOURCE(S): MARPAT 140:122767

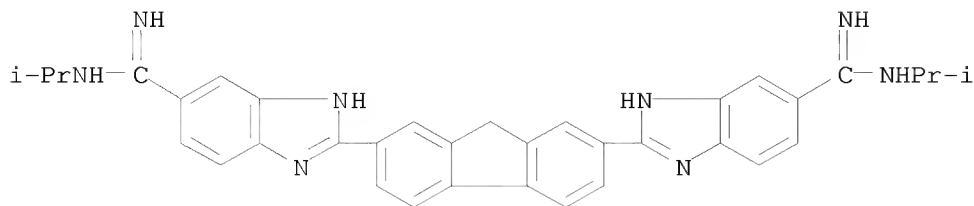
IT 216503-09-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pentamidine compound-chlorpromazine compound combinations for the treatment of neoplasms)

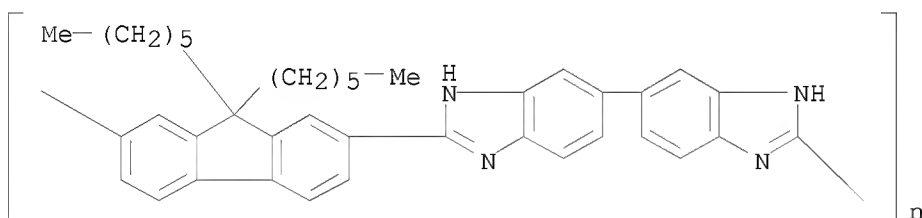
RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide, 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

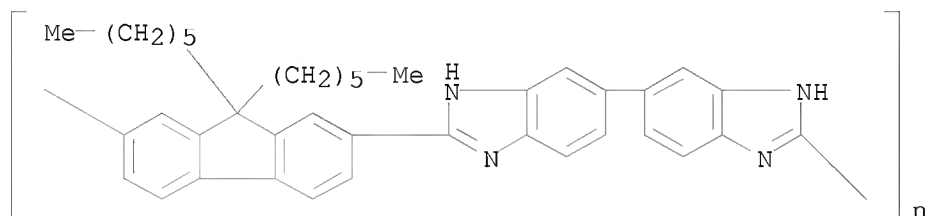
L6 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:970423 CAPLUS
 DOCUMENT NUMBER: 140:146606
 TITLE: Synthesis of a new conjugated polymer based on benzimidazole and its sensory properties using the fluorescence-quenching effect
 AUTHOR(S): Choi, Ho Wook; Kim, Youn Suk; Yang, Nam Choul; Suh, Dong Hack
 CORPORATE SOURCE: School of Chemical Engineering, Hanyang University, Seoul, 133-791, S. Korea
 SOURCE: Journal of Applied Polymer Science (2004), 91(2), 900-904
 CODEN: JAPNAB; ISSN: 0021-8995
 PUBLISHER: John Wiley & Sons, Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 536744-37-3DP, reaction products with 1,3-propane sultone
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of N-sulfopropyl-substituted polybenzimidazole and its sensory properties utilizing fluorescence-quenching effect)
 RN 536744-37-3 CAPLUS
 CN Poly[[5,5'-bi-1H-benzimidazole]-2,2'-diyl(9,9-dihexyl-9H-fluorene-2,7-diyl)] (9CI) (CA INDEX NAME)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2003:148875 CAPLUS
 DOCUMENT NUMBER: 139:16612
 TITLE: An iodide sensory property of a strongly blue-fluorescent polycationic molecular wire from a new polybenzimidazole
 AUTHOR(S): Yang, Nam Choul; Lee, Sang Min; Suh, Dong Hack
 CORPORATE SOURCE: College of Engineering, School of Chemical Engineering, Hanyang University, Seoul, 133-791, S. Korea
 SOURCE: Polymer Bulletin (Berlin, Germany) (2003), 49(5),

371-377
 CODEN: POBUDR; ISSN: 0170-0839
 PUBLISHER: Springer-Verlag
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 536744-37-3P
 RL: ARG (Analytical reagent use); PRP (Properties); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses) (synthesis, characterization and anion-sensing property of strongly blue-fluorescent polycationic mol. wire from new polybenzimidazole)
 RN 536744-37-3 CAPLUS
 CN Poly[[5,5'-bi-1H-benzimidazole]-2,2'-diyl(9,9-dihexyl-9H-fluorene-2,7-diyl)] (9CI) (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2002:849756 CAPLUS
 DOCUMENT NUMBER: 137:360139
 TITLE: Double-spiro organic compounds and electroluminescent devices
 INVENTOR(S): Kim, Kong-Kyeum; Son, Se-Hwan; Yoon, Seok-Hee; Bae, Jae-Soon; Lee, Youn-Gu; Im, Sung-Gap; Kim, Ji-Eun; Lee, Jae-Chol
 PATENT ASSIGNEE(S): LG Chem, Ltd., S. Korea
 SOURCE: PCT Int. Appl., 117 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002088274	A1	20021107	WO 2002-KR458	20020318
W: CN, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
KR 2002083614	A	20021104	KR 2001-23038	20010427
KR 2002083615	A	20021104	KR 2001-23039	20010427
US 20040023060	A1	20040205	US 2002-99781	20020314
US 6998487	B2	20060214		
EP 1294823	A1	20030326	EP 2002-705589	20020318
EP 1294823	B1	20061213		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2004529937	T	20040930	JP 2002-585559	20020318
JP 3971310	B2	20070905		
EP 1645552	A1	20060412	EP 2005-20697	20020318
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, FI, CY, TR
 AT 348136 T 20070115 AT 2002-705589 20020318
 ES 2274003 T3 20070516 ES 2002-705589 20020318
 TW 591096 B 20040611 TW 2002-91105844 20020326
 US 20040170863 A1 20040902 US 2003-718083 20031119
 US 6984462 B2 20060110

PRIORITY APPLN. INFO.:

KR 2001-23038 A 20010427
 KR 2001-23039 A 20010427
 US 2002-99781 A3 20020314
 EP 2002-705589 A3 20020318
 WO 2002-KR458 W 20020318

OTHER SOURCE(S): MARPAT 137:360139

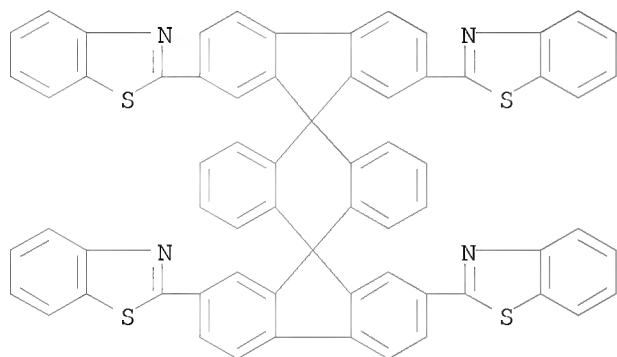
IT 474688-44-3 474688-45-4

RL: DEV (Device component use); USES (Uses)

(double-spiro organic compds. and electroluminescent devices using them)

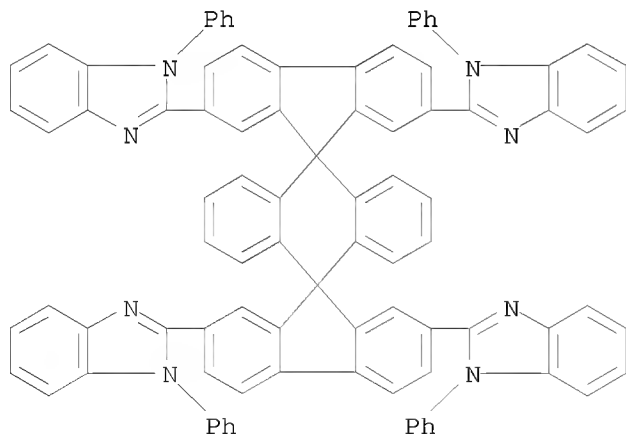
RN 474688-44-3 CAPLUS

CN Benzothiazole, 2,2',2'',2'''-dispiro[9H-fluorene-9,9'(10'H)-anthracene-10',9''-[9H]fluorene]-2,2'',7,7'''-tetrayltetrakis- (9CI) (CA INDEX NAME)



RN 474688-45-4 CAPLUS

CN 1H-Benzimidazole, 2,2',2'',2'''-dispiro[9H-fluorene-9,9'(10'H)-anthracene-10',9''-[9H]fluorene]-2,2'',7,7'''-tetrayltetrakis[1-phenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2000:190915 CAPLUS
 DOCUMENT NUMBER: 132:237091
 TITLE: Preparation of bis(amidinobenzimidazolyl)furans,
 -pyrroles, and related compounds as antifungals.
 INVENTOR(S): Tidwell, Richard R.; Boykin, David W.; Perfect, John
 R.
 PATENT ASSIGNEE(S): The University of North Carolina at Chapel Hill, USA;
 The Georgia State University Research Foundation,
 Inc.; Duke University
 SOURCE: PCT Int. Appl., 67 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015212	A2	20000323	WO 1999-US21383	19990915
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2344445	A1	20000323	CA 1999-2344445	19990915
AU 9960450	A	20000403	AU 1999-60450	19990915
AU 770656	B2	20040226		
EP 1143959	A2	20011017	EP 1999-969025	19990915
EP 1143959	A3	20020619		
EP 1143959	B1	20061102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
US 6326395	B1	20011204	US 1999-396836	19990915
JP 2002524503	T	20020806	JP 2000-569796	19990915
EP 1685836	A2	20060802	EP 2006-75828	19990915
EP 1685836	A3	20070509		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
AT 344028	T	20061115	AT 1999-969025	19990915
ES 2275362	T3	20070601	ES 1999-969025	19990915
AU 2004202311	A1	20040624	AU 2004-202311	20040526
AU 2005211616	A1	20051013	AU 2005-211616	20050920
PRIORITY APPLN. INFO.:			US 1998-100928P	P 19980917
			EP 1999-969025	A3 19990915
			WO 1999-US21383	W 19990915
			AU 2004-202311	A3 20040526

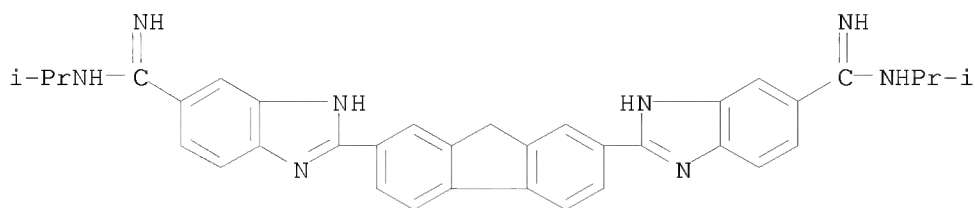
OTHER SOURCE(S): MARPAT 132:237091

IT 212829-49-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of bis(amidinobenzimidazolyl)furans, -pyrroles, and related compds. as antifungals)

RN 212829-49-7 CAPLUS

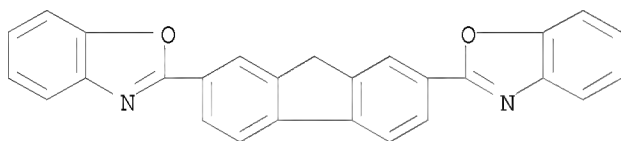
CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)-, tetrahydrochloride
 (9CI) (CA INDEX NAME)



● 4 HCl

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

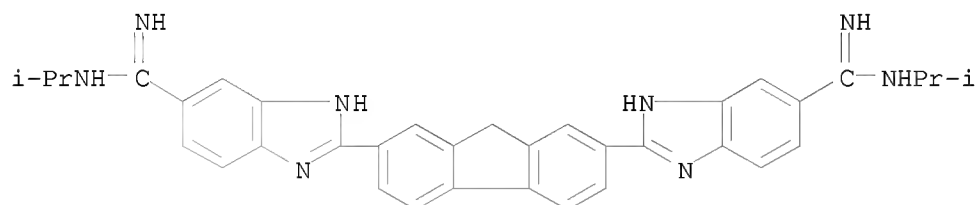
L6 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2000:1773 CAPLUS
 DOCUMENT NUMBER: 132:129270
 TITLE: Computational methods as an aid in the design of fluorophores with predictable absorption and emission wavelengths
 AUTHOR(S): Fabian, Walter M. F.; Kauffman, Joel M.
 CORPORATE SOURCE: Institut fur Organische Chemie, Karl-Franzens Universitat Graz, Graz, A-8010, Austria
 SOURCE: Journal of Luminescence (1999), 85(1-3), 137-148
 CODEN: JLUMA8; ISSN: 0022-2313
 PUBLISHER: Elsevier Science B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 36298-98-3
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
 (quantum chemical calcn. of absorpion and fluorecence wavelengths of fluorophores)
 RN 36298-98-3 CAPLUS
 CN Benzoxazole, 2,2'-(9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

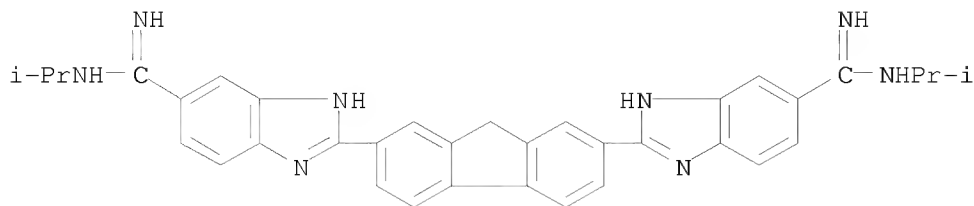
L6 ANSWER 24 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1999:536603 CAPLUS
 DOCUMENT NUMBER: 131:308755
 TITLE: In vitro activity of dicationic aromatic compounds and fluconazole against Cryptococcus neoformans and Candida spp.
 AUTHOR(S): Del Poeta, Maurizio; Bixel, Amy S.; Barchiesi, Francesco; Tidwell, Richard R.; Boykin, David; Scalise, Giorgio; Perfect, John R.
 CORPORATE SOURCE: Department of Medicine, Division of Infectious Diseases and International Health, Duke University Medical Center, Durham, NC, 27710, USA

SOURCE: Journal of Antimicrobial Chemotherapy (1999), 44(2),
223-228
CODEN: JACHDX; ISSN: 0305-7453
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 216503-09-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(in vitro activity of dicationic aromatic compds. and fluconazole against Cryptococcus neoformans and Candida spp.)
RN 216503-09-2 CAPLUS
CN 1H-Benzimidazole-5-carboximidamide,
2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1998:664985 CAPLUS
DOCUMENT NUMBER: 130:22732
TITLE: Structure-in vitro activity relationships of pentamidine analogs and dication-substituted bis-benzimidazoles as new antifungal agents
AUTHOR(S): Del Poeta, Maurizio; Schell, Wiley A.; Dykstra, Christine C.; Jones, Susan; Tidwell, Richard R.; Czarny, Agnieszka; Bajic, Miroslav; Bajic, Marina; Kumar, Arvind; Boykin, David; Perfect, John R.
CORPORATE SOURCE: Department of Medicine, Division of Infectious Diseases and International Health, Duke University Medical Center, Durham, NC, 27710, USA
SOURCE: Antimicrobial Agents and Chemotherapy (1998), 42(10), 2495-2502
CODEN: AMACCQ; ISSN: 0066-4804
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 216503-09-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(structure-in vitro activity relationships of pentamidine analogs and dication-substituted bis-benzimidazoles as new antifungal agents)
RN 216503-09-2 CAPLUS
CN 1H-Benzimidazole-5-carboximidamide,
2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:608603 CAPLUS

DOCUMENT NUMBER: 129:230727

ORIGINAL REFERENCE NO.: 129:46951a, 46954a

TITLE: Preparation of substituted benzimidazoles for treating retroviral infection

INVENTOR(S): Dykstra, Christine C.; Boykin, David; Tidwell, Richard R.

PATENT ASSIGNEE(S): The University of North Carolina At Chapel Hill, USA; Auburn University; Georgia State University

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9838170	A1	19980903	WO 1998-US3830	19980227
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5935982	A	19990810	US 1997-808321	19970228
CA 2282552	A1	19980903	CA 1998-2282552	19980227
AU 9866707	A	19980918	AU 1998-66707	19980227
AU 738975	B2	20011004		
EP 973750	A1	20000126	EP 1998-908758	19980227
EP 973750	B1	20040421		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002513404	T	20020508	JP 1998-537870	19980227
AT 264846	T	20040515	AT 1998-908758	19980227
HK 1026691	A1	20040903	HK 2000-104566	20000724
PRIORITY APPLN. INFO.:			US 1997-808321	A 19970228
			WO 1998-US3830	W 19980227

OTHER SOURCE(S): MARPAT 129:230727

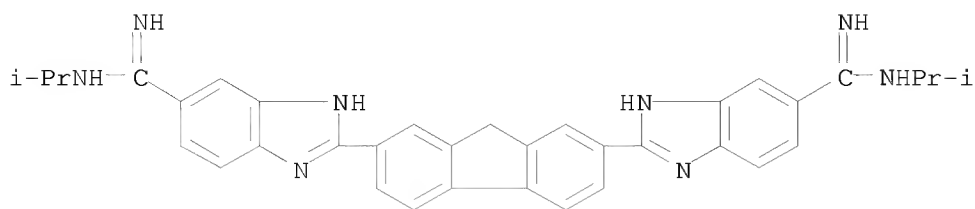
IT 216503-09-2

RL: PRPH (Prophetic)

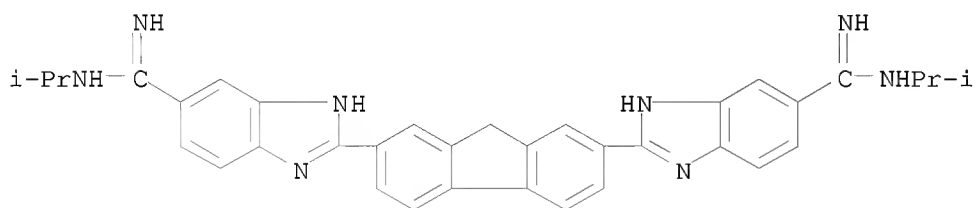
(Preparation of substituted benzimidazoles for treating retroviral infection)

RN 216503-09-2 CAPLUS

CN 1H-Benzimidazole-5-carboximidamide, 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)- (9CI) (CA INDEX NAME)



IT 212829-49-7P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of substituted benzimidazoles for treating retroviral infection)
 RN 212829-49-7 CAPLUS
 CN 1H-Benzimidazole-5-carboximidamide,
 2,2'-(9H-fluorene-2,7-diyl)bis[N-(1-methylethyl)-, tetrahydrochloride
 (9CI) (CA INDEX NAME)



● 4 HCl

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

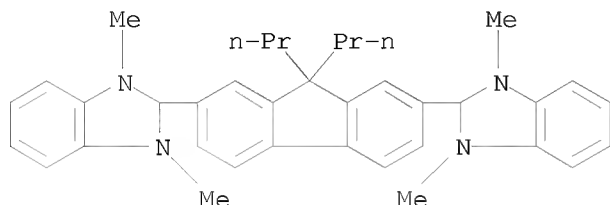
L6 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1994:581921 CAPLUS
 DOCUMENT NUMBER: 121:181921
 ORIGINAL REFERENCE NO.: 121:33019a,33022a
 TITLE: Synthesis and photophysical properties of fluorescent 2-aryl-1,3-dialkylbenzimidazolium ions and a 1-alkyl-2-arylbenzimidazole with excited state intramolecular proton-transfer
 AUTHOR(S): Kauffman, Joel M.; Khalaj, Ali; Litak, Peter T.; Novinski, John A.; Bajwa, Gurdip S.
 CORPORATE SOURCE: Department of Chemistry, Philadelphia College of Pharmacy and Science, Philadelphia, PA, 19104-5595, USA
 SOURCE: Journal of Heterocyclic Chemistry (1994), 31(4), 957-65
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 121:181921
 IT 157771-51-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and fluorescence quantum yield of)

RN 157771-51-2 CAPLUS
CN 1H-Benzimidazolium, 2,2'-(9,9-dipropyl-9H-fluorene-2,7-diyl)bis[1,3-dimethyl-, dimethanesulfonate (9CI) (CA INDEX NAME)

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CRN 157771-50-1

CMF C37 H40 N4

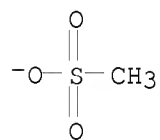


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CRN 16053-58-0

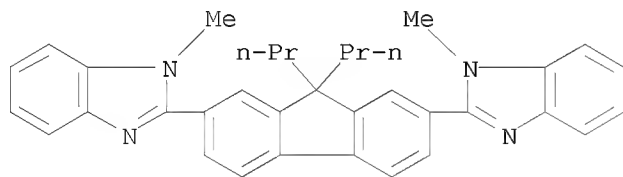
CMF C H3 O3 S



IT 157771-54-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and quaternization of)

RN 157771-54-5 CAPLUS

CN 1H-Benzimidazole, 2,2'-(9,9-dipropyl-9H-fluorene-2,7-diyl)bis[1-methyl- (CA INDEX NAME)



L6 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1988:640653 CAPLUS

DOCUMENT NUMBER: 109:240653

ORIGINAL REFERENCE NO.: 109:39654h,39655a

TITLE: Charge-generating disazo pigment for electrophotographic photoconductor

INVENTOR(S): Sakai, Kiyoshi; Okunuki, Masami

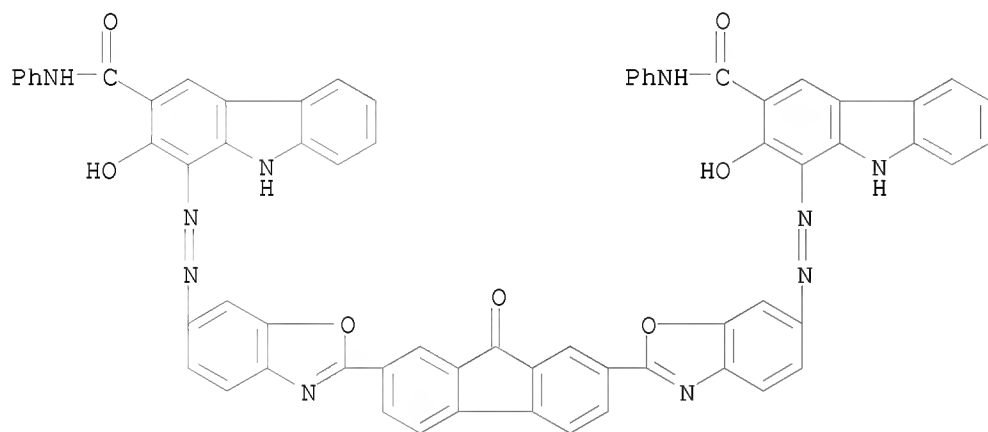
PATENT ASSIGNEE(S): Canon K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

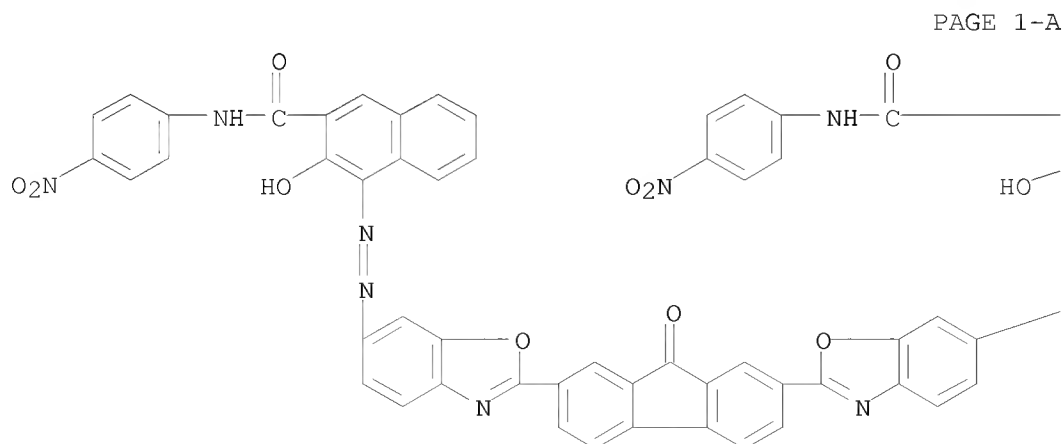
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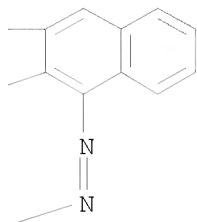
DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63180961	A	19880726	JP 1987-11335	19870122
PRIORITY APPLN. INFO.:			JP 1987-11335	19870122
OTHER SOURCE(S): MARPAT 109:240653				
IT 117714-55-3 117714-56-4 117714-57-5				
117714-58-6 117714-59-7 117714-60-0				
117714-61-1 117714-62-2 117714-63-3				
117714-64-4 117714-65-5 117714-66-6				
117736-21-7 117736-22-8 117736-23-9				
RL: TEM (Technical or engineered material use); USES (Uses)				
(electrophotog. charge-generating agent)				
RN	117714-55-3 CAPLUS			
CN	9H-Carbazole-3-carboxamide, 1,1'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[2-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)			

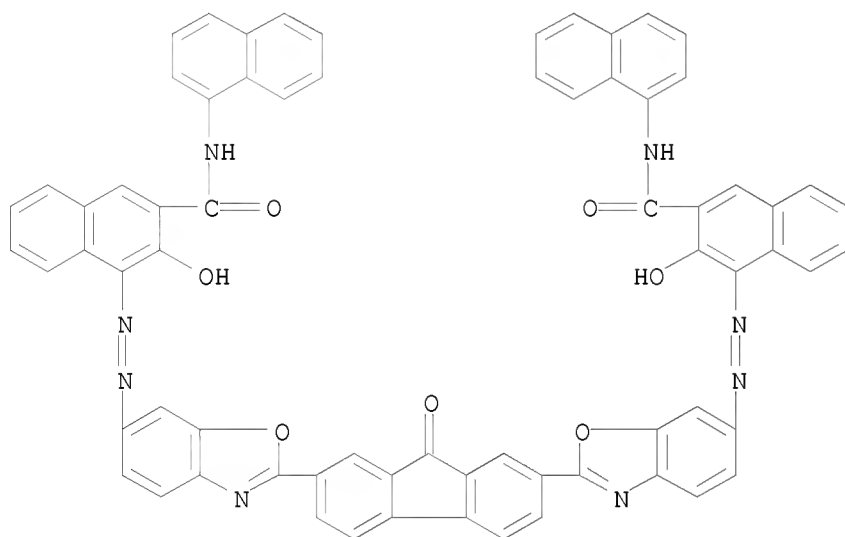


RN 117714-56-4 CAPLUS
 CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-N-(4-nitrophenyl)- (9CI) (CA INDEX NAME)

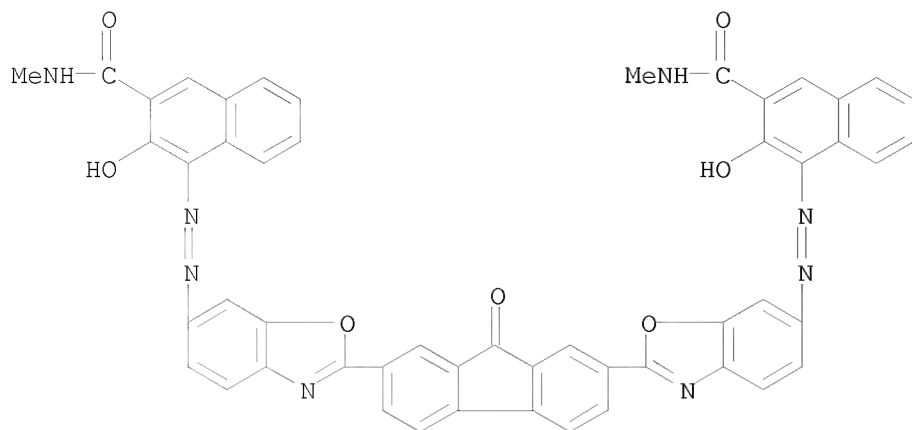




RN 117714-57-5 CAPLUS
 CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-N-1-naphthalenyl- (9CI) (CA INDEX NAME)

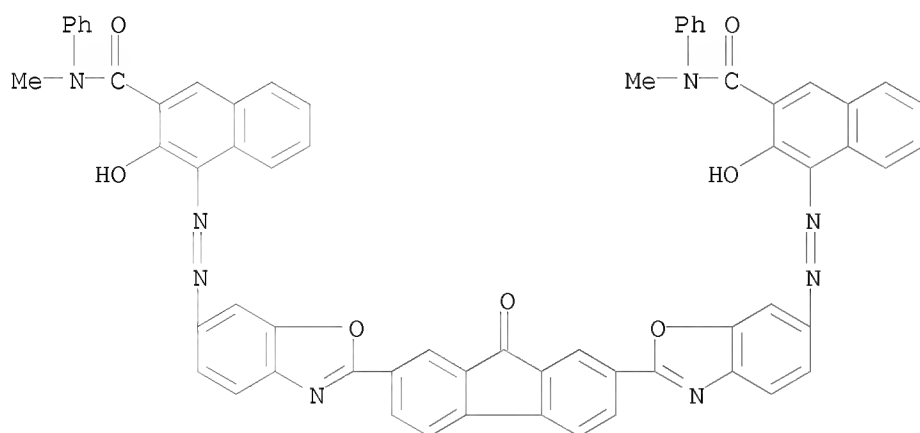


RN 117714-58-6 CAPLUS
 CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-N-methyl- (9CI) (CA INDEX NAME)



RN 117714-59-7 CAPLUS

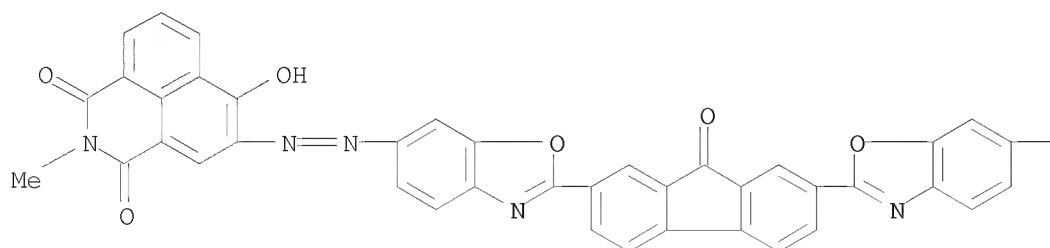
CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-N-methyl-N-phenyl- (9CI) (CA INDEX NAME)

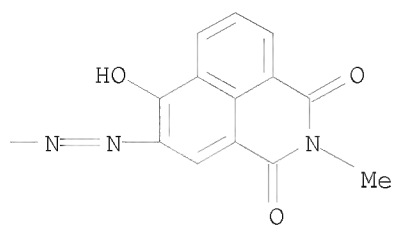


RN 117714-60-0 CAPLUS

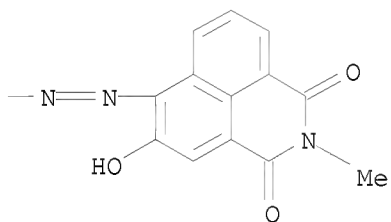
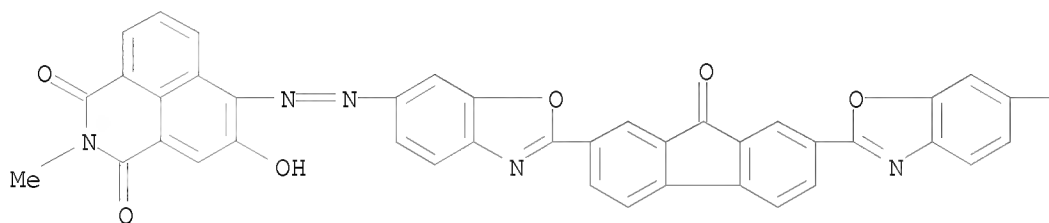
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione, 5,5'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[6-hydroxy-2-methyl- (9CI) (CA INDEX NAME)

PAGE 1-A

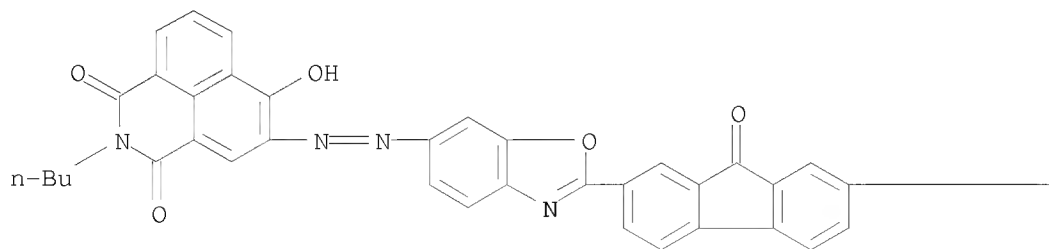




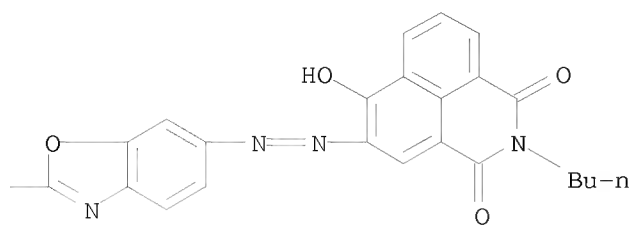
RN 117714-61-1 CAPLUS
 CN 1H-Benz[de]isoquinoline-1,3(2H)-dione,
 6,6'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[5-
 hydroxy-2-methyl- (9CI) (CA INDEX NAME)



RN 117714-62-2 CAPLUS
 CN 1H-Benz[de]isoquinoline-1,3(2H)-dione,
 5,5'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[2-butyl-
 6-hydroxy- (9CI) (CA INDEX NAME)

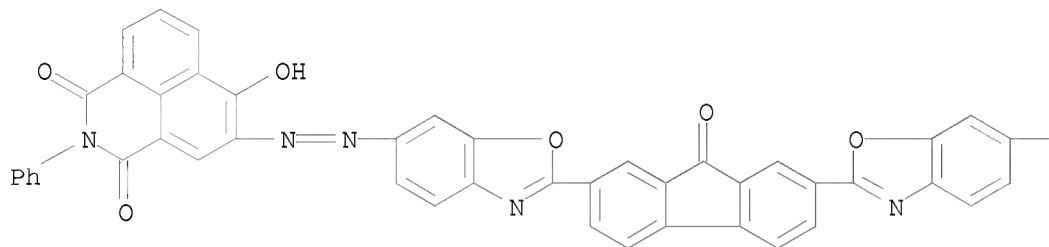


PAGE 1-B

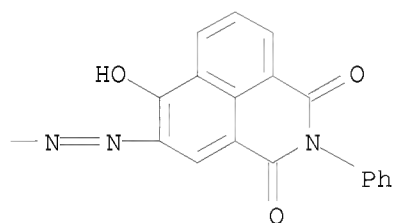


RN 117714-63-3 CAPLUS
 CN 1H-Benz[de]isoquinoline-1,3(2H)-dione,
 5,5'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[6-
 hydroxy-2-phenyl- (9CI) (CA INDEX NAME)

PAGE 1-A

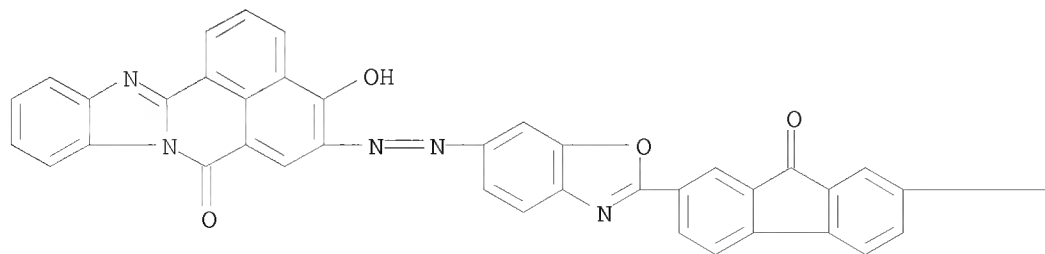


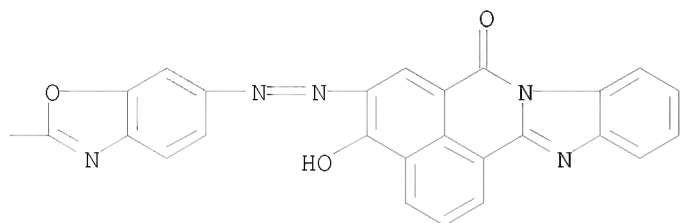
PAGE 1-B



RN 117714-64-4 CAPLUS
 CN 7H-Benzimidazo[2,1-a]benz[de]isoquinolin-7-one,
 5,5'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[4-
 hydroxy- (9CI) (CA INDEX NAME)

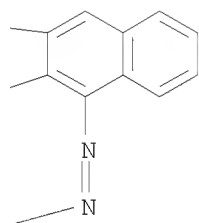
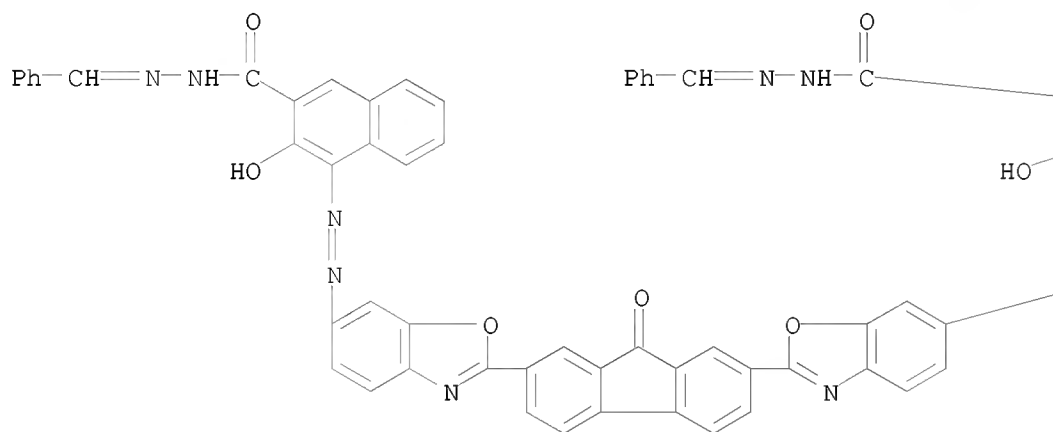
PAGE 1-A





RN 117714-65-5 CAPLUS

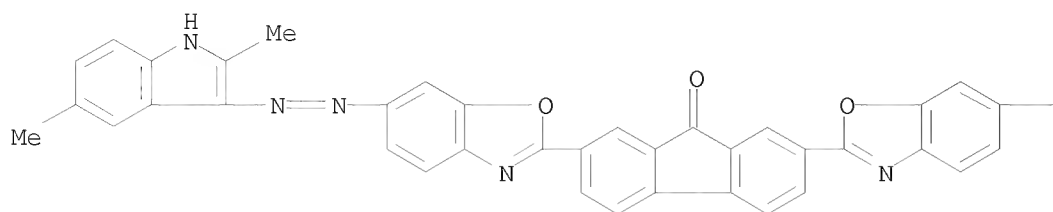
CN 2-Naphthalenecarboxylic acid, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-, bis[(phenylmethylene)hydrazide] (9CI)
(CA INDEX NAME)



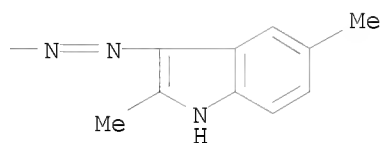
RN 117714-66-6 CAPLUS

CN 9H-Fluoren-9-one, 2,7-bis[6-[2-(2,5-dimethyl-1H-indol-3-yl)diazenyl]-2-benzoxazolyl]- (CA INDEX NAME)

PAGE 1-A

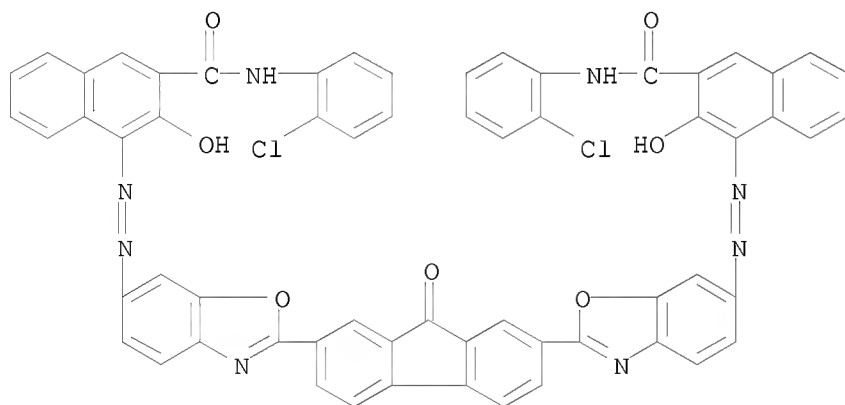


PAGE 1-B



RN 117736-21-7 CAPLUS

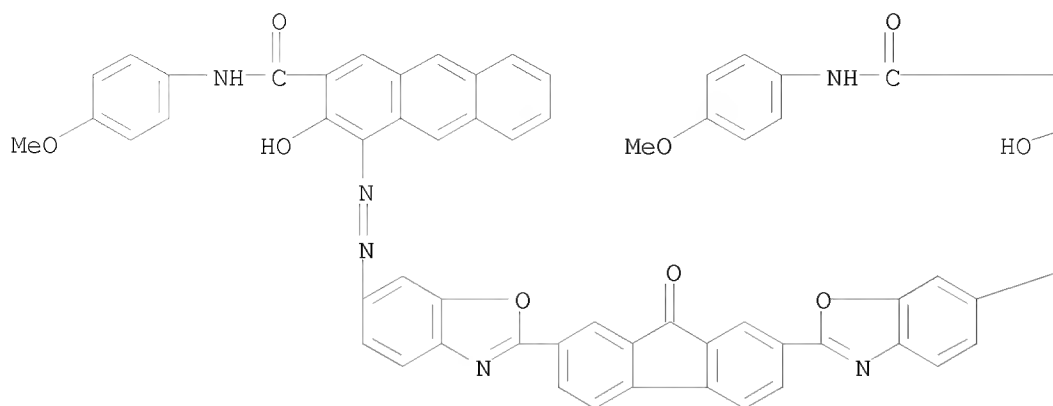
CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[N-(2-chlorophenyl)-3-hydroxy- (9CI) (CA INDEX NAME)]



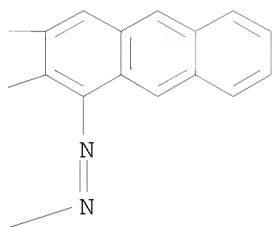
RN 117736-22-8 CAPLUS

CN 2-Anthracenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-N-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)]

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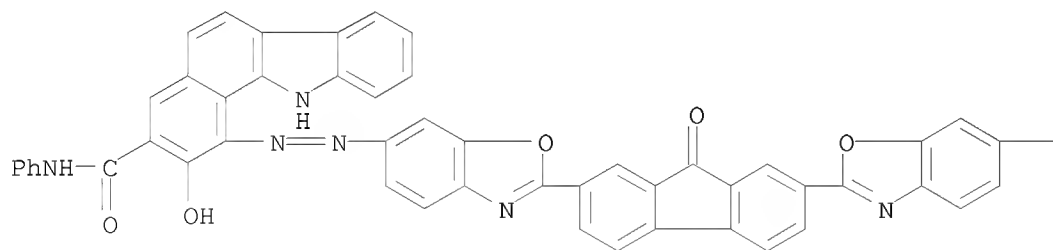


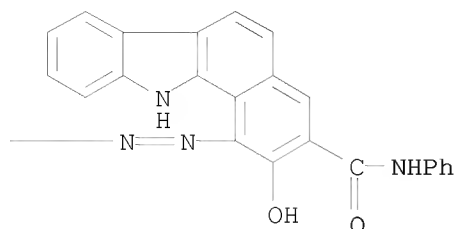
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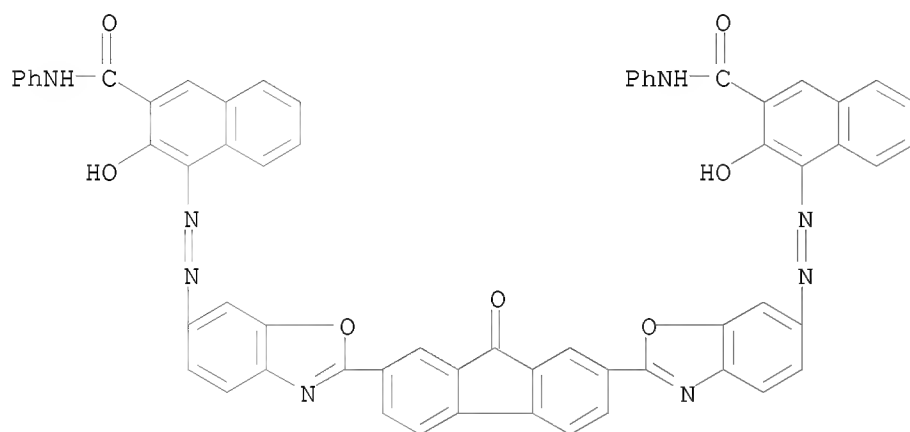
RN 117736-23-9 CAPLUS
 CN 11H-Benzo[a]carbazole-3-carboxamide,
 1,1'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[2-
 hydroxy-N-phenyl- (9CI) (CA INDEX NAME)

PAGE 1-A

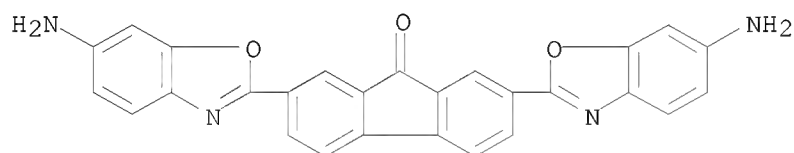




IT 117714-54-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and use of, as electrophotog. charge-generating agent)
 RN 117714-54-2 CAPLUS
 CN 2-Naphthalenecarboxamide, 4,4'-[(9-oxo-9H-fluorene-2,7-diyl)bis(2,6-benzoxazolediylazo)]bis[3-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)

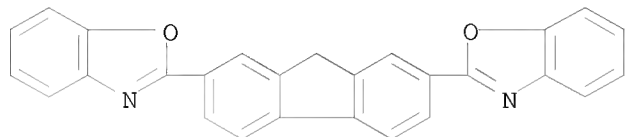


IT 117714-53-1
 RL: USES (Uses)
 (tetrazotization of, intermediate for electrophotog. charge-generating disazo pigment from)
 RN 117714-53-1 CAPLUS
 CN 9H-Fluorene-9-one, 2,7-bis(6-amino-2-benzoxazolyl)- (CA INDEX NAME)



L6 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1972:153094 CAPLUS
 DOCUMENT NUMBER: 76:153094
 ORIGINAL REFERENCE NO.: 76:24937a,24940a
 TITLE: Fluorescence of aromatic benzoxazole derivatives
 AUTHOR(S): Reiser, A.; Leyshon, L. J.; Saunders, D.; Mijovic, M.
 V.; Bright, A.; Bogie, J.
 CORPORATE SOURCE: Res. Lab., Kodak Ltd., Wealdstone/Harrow/Middlesex, UK

SOURCE: Journal of the American Chemical Society (1972),
 94(7), 2414-21
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 IT 36298-98-3
 RL: PRP (Properties)
 (fluorescence and uv spectrum of)
 RN 36298-98-3 CAPLUS
 CN Benzoxazole, 2,2'-(9H-fluorene-2,7-diyl)bis- (CA INDEX NAME)



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FULL ESTIMATED COST	113.81	539.91

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FULL ESTIMATED COST	0.70	540.61

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STRUCTURE FILE UPDATES: 19 FEB 2009 HIGHEST RN 1108793-37-8
 DICTIONARY FILE UPDATES: 19 FEB 2009 HIGHEST RN 1108793-37-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

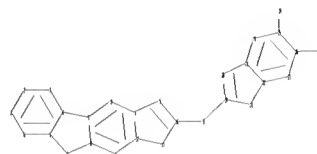
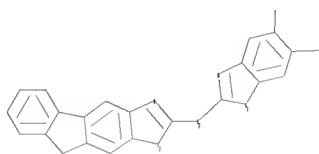
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 conducting SmartSELECT searches.

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 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10565414d.str



chain nodes :

18 29 30

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 19 20 21 22 23 24 25
26 27

chain bonds :

16-18 18-19 25-29 26-30

ring bonds :

1-6 1-2 2-3 3-4 4-5 4-7 5-6 5-9 7-8 7-10 8-9 8-13 10-11 11-12 11-15
12-13 12-17 15-16 16-17 19-20 19-23 20-21 21-22 21-24 22-23 22-27 24-25
25-26 26-27

exact/norm bonds :

4-7 5-9 8-9 11-15 12-17 15-16 16-17 16-18 18-19 19-20 19-23 20-21 22-23
25-29 26-30

normalized bonds :

1-6 1-2 2-3 3-4 4-5 5-6 7-8 7-10 8-13 10-11 11-12 12-13 21-22 21-24
22-27 24-25 25-26 26-27

isolated ring systems :

containing 1 :

G1:O,S,N

G2:Cb,Hy,Cy

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 29:CLASS 30:CLASS

L7 STRUCTURE UPLOADED

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FULL SCREEN SEARCH COMPLETED - 1294 TO ITERATE

100.0% PROCESSED 1294 ITERATIONS

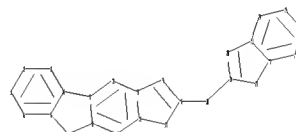
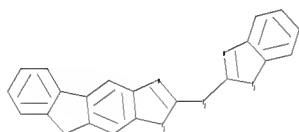
0 ANSWERS

SEARCH TIME: 00.00.01

L8 0 SEA SSS FUL L7

=>

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chain nodes :

18

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 19 20 21 22 23 24 25
26 27

chain bonds :

16-18 18-19

ring bonds :
 1-6 1-2 2-3 3-4 4-5 4-7 5-6 5-9 7-8 7-10 8-9 8-13 10-11 11-12 11-15
 12-13 12-17 15-16 16-17 19-20 19-23 20-21 21-22 21-24 22-23 22-27 24-25
 25-26 26-27
 exact/norm bonds :
 4-7 5-9 8-9 11-15 12-17 15-16 16-17 16-18 18-19 19-20 19-23 20-21 22-23
 normalized bonds :
 1-6 1-2 2-3 3-4 4-5 5-6 7-8 7-10 8-13 10-11 11-12 12-13 21-22 21-24
 22-27 24-25 25-26 26-27
 isolated ring systems :
 containing 1 :

G1:O,S,N

G2:Cb,Hy,Cy

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:Atom 20:Atom
 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom

L9 STRUCTURE UPLOADED

=> s l9 sss full
 FULL SEARCH INITIATED 15:56:54 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 28902 TO ITERATE

100.0% PROCESSED 28902 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.02

L10 2 SEA SSS FUL L9

=> file capl

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	372.24	912.85

FILE 'CAPLUS' ENTERED AT 15:56:58 ON 20 FEB 2009
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FILE COVERS 1907 - 20 Feb 2009 VOL 150 ISS 9
 FILE LAST UPDATED: 19 Feb 2009 (20090219/ED)

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reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10

L11 1 L10

=> d l11 ibib

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:656393 CAPLUS

DOCUMENT NUMBER: 145:124546

TITLE: Preparation of benzoxazole derivatives for the manufacture of ophthalmic lenses

INVENTOR(S): Kauffman, Joeel; Litak, Peter T.; Rickwood, Martin

PATENT ASSIGNEE(S): Essilor International (Compagnie Generale D'Optique), Fr.

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006069811	A2	20060706	WO 2005-EP14202	20051230
WO 2006069811	A3	20070104		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2005321406	A1	20060706	AU 2005-321406	20051230
CA 2592585	A1	20060706	CA 2005-2592585	20051230
EP 1838682	A2	20071003	EP 2005-850391	20051230
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2008526708	T	20080724	JP 2007-548773	20051230
US 20080064880	A1	20080313	US 2006-565414	20060123
PRIORITY APPLN. INFO.:			US 2004-640506P	P 20041230
			WO 2005-EP14202	W 20051230
OTHER SOURCE(S):	CASREACT 145:124546; MARPAT 145:124546			
REFERENCE COUNT:	2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

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